

This manual supersedes those portions of TM 9-2800, 27 October 1947, that pertain to Ordnance Corps vehicles, and TB 9-2800-2, 8 March 1948, including C1, 16 January 1950

Section I. INTRODUCTION

1. Scope

a. This manual covers the Army military vehicles for which the Ordnance Corps has the responsibility of storage and issue. Chassis that the Ordnance Corps supplies to other technical services for mounting bodies and special equipment peculiar to those services are also included.

b. A halftone illustration and dimensioned line sketch of each vehicle is shown, followed by tabulated data. These data include classification, purpose, characteristics, and performance of each vehicle. Data and illustrations have been obtained from the most reliable sources available at time of publication. These sources include vehicle manufacturers and responsible agencies of the Ordnance Corps. Further information is given in the technical manuals and supply catalogs listed for each vehicle.

c. Section II contains the vehicles arranged alphabetically. Within the alphabetical arrangement, the transport vehicles are listed by increasing capacities and the combat vehicles are listed by increasing caliber of the major armament. In the index, however, the vehicles are grouped by types.

d. Matériel which has been declared obsolete since publication of the superseded edition, 27 October 1947, has not been included in the revision.

e. The appendix contains a list of references to other pertinent publications.

2. Explanation of Terminology

a. *Classification.* Vehicles are classified from the standpoint of suitability for use as follows:

- (1) *Standard.* Standard vehicles are the most advanced and satisfactory that have been adopted, and are those which are preferred for procurement.
- (2) *Substitute standard.* Substitute standard vehicles are those that do not have as satisfactory military characteristics as standard vehicles, but are usable substitutes for standard vehicles and, when necessary, may be procured to supplement the supply of standard vehicles.

(3) *Limited standard.* Limited standard vehicles are those that do not have as satisfactory military characteristics as standard vehicles, but are usable substitutes for standard vehicles, and are either in use or available for issue to meet supply demands. Complete vehicles will not be procured, but component parts, even though they may be limited-procurement articles, may be procured if necessary to maintain these vehicles in serviceable condition throughout a reasonable life expectancy.

(4) *Nonclassified.* Vehicles to which no classification is assigned.

b. Technical Data.

- (1) *Wheels.* Where such data as "6 x 4" and "4 x 4" appear in vehicular nomenclature, the first figure indicates total number of wheels, and the second figure indicates number of driving wheels. Dual wheels are considered as one wheel.
- (2) *Net weight.* Weight of fully equipped vehicle in operating condition with fuel, lubricants, and water, but without crew or payload, unless otherwise specified.

Note. It is emphasized that weights given in this manual are for tactical use only, and are not intended as official shipping weights for use in shipment by commercial carriers, due to variations between vehicles, variations resulting from changes in stowage, etc. Official vehicular shipping weights are contained in TB9-OSSC-G.

- (3) *Payload.* Weight of cargo or passengers, including crew, which may be safely imposed on vehicle.
- (4) *On-highway payload.*

(a) Permissible payload for a tactical transport vehicle operated on highways only is based upon the maximum load capacity of the vehicle's tires.

Caution: Payload and maximum gross weight for unrestricted operation will not exceed those shown on the vehicle data plate.

- (b) Tactical vehicles for which the permissible on-highway loading is not given in this manual, nor on the vehicle data plate, will be reported by the using organization to the Office, Chief of Ordnance for determination of allowable loading.
- (5) *Gross weight or fighting weight.* Weight of vehicle fully equipped and serviced for operation, including crew, plus maximum allowable payload of cargo or passengers.
- (6) *Shipping dimensions.* Minimum dimensions to which a completely assembled vehicle may be reduced by lowering cab, top, or windshield, removing body bows, gun mounts, etc.
- (7) *Ground clearance.* Minimum clearance under lowest point of chassis.
- (8) *Computed grade ability.* The grade (slope), measured in percent, that a vehicle will ascend with given load and in specified gear or range, as calculated by standard formula. Percent of grade is defined as the ratio between the vertical rise and the horizontal distance traveled, expressed in percent. Examples of grades measured in terms of degree of angle and percent follow:
- | Degree of angle | Percent of grade |
|-----------------|------------------|
| 0..... | 0 |
| 10..... | 17. 633 |
| 30..... | 57. 735 |
| 45..... | 100 |
- (9) *Turning radius.* Radius of minimum circle with which vehicle can negotiate a complete turn.
- (10) *Fording depth.* Depth of water through which vehicle can be successfully operated at slowest speed.
- (11) *Cruising range.* Average distance vehicle will travel on one filling of fuel at rated fuel consumption.
- (12) *Communications equipment.* The type numbers of communications equipment listed for combat vehicles have the following meanings:

AN/ARC-3	Radio Set
AN/GRC-3	Radio Set
AN/GRC-4	Radio Set
AN/GRC-5	Radio Set
AN/GRC-6	Radio Set
AN/GRC-7	Radio Set
AN/GRC-8	Radio Set
AN/GRC-9	Radio Set
AN/GRR-5	Radio Set
AN/PRC-9	Radio Set
AN/U1C-1	Auxiliary Interphone Equipment
AN/V1A-1	Auxiliary Interphone Equipment
AN/VRC-3	Radio Set
AN/VRC-5	Radio Set
AN/VRC-7	Radio Set
AN/VRC-8	Radio Set
AN/VRC-9	Radio Set
AN/VRC-10	Radio Set
AN/VRC-13	Radio Set
AN/VRC-14	Radio Set
AN/VRC-15	Radio Set
AN/VRQ-1	Radio Set
AN/VRQ-2	Radio Set
AN/VRQ-3	Radio Set
BC-667	Interphone Amplifier
NAVY TCS	Radio Set
RC-99	Interphone Equipment
RC-298	Interphone Extension Kit
SCR-52B	Radio Set
SCR-193S	Radio Set
SCR-193T	Radio Set
SCR-245	Radio Set
SCR-499	Radio Set
SCR-506	Radio Set
SCR-507	Radio Set
SCR-508	Radio Set
SCR-510	Radio Set
SCR-528	Radio Set
SCR-542	Radio Set
SCR-593	Radio Set
SCR-608	Radio Set
SCR-608B	Radio Set
SCR-610	Radio Set
SCR-619	Radio Set
SCR-628	Radio Set
SCR-694C	Radio Set

3. Definition of Vehicles

Vehicles are defined in AR 700-105. These definitions cover *vehicles* and *motor vehicles*, which are divided into *tactical* and *administrative vehicles*. Further groupings are *general-purpose vehicles*, *special-equipment vehicles*, *special-purpose vehicles*, *combat vehicles*, *trailers*, and *semitrailers*.

4. Responsibility

For each type of vehicle stored and issued by each technical service and the Air Force, the technical service responsible for design and development; preparation of specifications; purchase and inspection (including spare parts); storage and issue of spare parts for organizational, field, and depot maintenance; and performance of depot maintenance is given in SR 700-110-1 (AFR 65-17).

5. Excessive Weights and Dimensions

The weights and dimensions of some vehicles included in this manual exceed the permissible limits given in AR 700-105. SR 700-105-10 lists these vehicles and explains wherein they exceed the limitations.

6. Winterization and Deep-Water Fording Kits

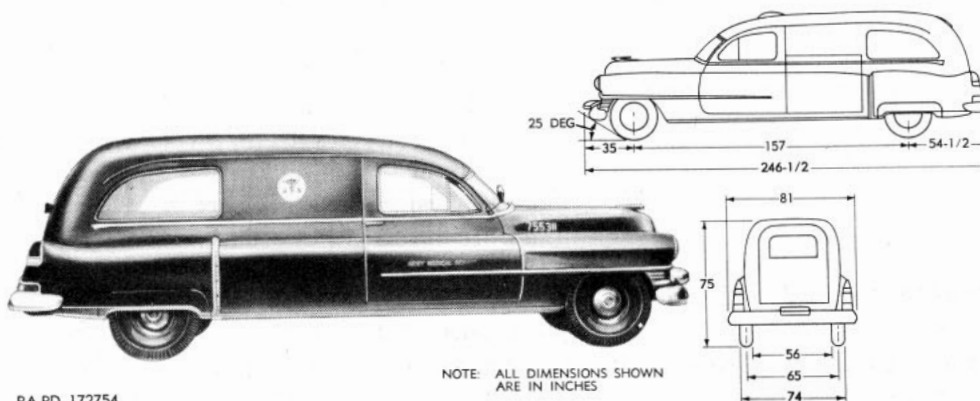
a. Winterization kits available for vehicles are listed in SB 9-16.

b. Deep-water fording kits available for vehicles are listed in TM 9-2853.

7. Different Voltages

The commercial-type vehicles and the older tactical vehicles have 6-volt electrical systems. Many of the newer tactical vehicles have 24-volt electrical systems. There are also some vehicles with 12-volt electrical systems. Damage is almost certain to result from connecting the electrical systems of two or more vehicles, such as trucks and trailers, having different voltages. Therefore, using organizations are cautioned against connecting the electrical systems of vehicles having different voltages, unless one vehicle has been modified to accommodate the voltage of the other.

Section II. ORDNANCE CORPS MILITARY VEHICLES
AMBULANCE, METROPOLITAN, 3/4-TON, 4-LITTER
(Cadillac-Miller, Model 50-86 and Cadillac-Superior, Model 51-86, 1951)



Vehicle illustrated: Model 51-86.
Classification: Standard.

Purpose: To transport sick and wounded personnel.

GENERAL DATA

Crew.....2; Passengers (including crew) 12
Weight (lb).....Net 5,720
 Payload.....1,500
 Gross.....7,220
Rear-axle gear ratio.....4.27:1
Axle load (lb):
 Empty.....front 2,740; rear 2,980
 Loaded.....front 3,000; rear 4,220
Tires:
 Ply 6; Size 8.90 x 15.....Pressure (psi) front 24, rear 30
 Tread, center-to-center, front.....(in.) 59
Shipping dimensions, uncrated.....(cu ft) 867; (sq ft) 139
Ground clearance.....(in.) 9
Electrical system.....(volts) 6
 No. of batteries.....1
 Type of ground.....negative
Fuel octane rating.....80
Capacities:
 Fuel.....(gal) 20
 Cooling system (qt).....w/o heater 18; w/heater 19
 Crankcase, refill.....(qt) 5
 Transmission.....(qt) 3 3/4
 Rear axle.....(qt) 2 1/2
Brakes:
 Manufacturer; Bendix.....Type; hydraulic
 Parking brake, type.....rear-wheel
Transmission for forward speeds.....3
 Gear ratio.....High 1:1; Low 2.393:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....(percent) 25
Turning radius.....(ft) 29
Fording depth.....(in.) 9 3/4
Fuel consumption, loaded.....(mpg) 8
Cruising range, loaded.....(mi) 160
Allowable speed, recommended.....(mph) 65

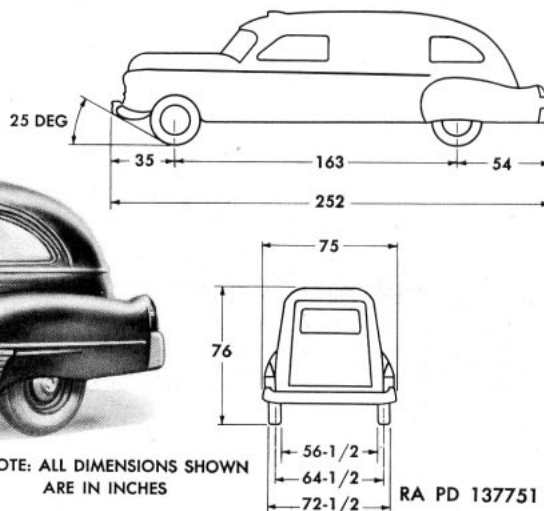
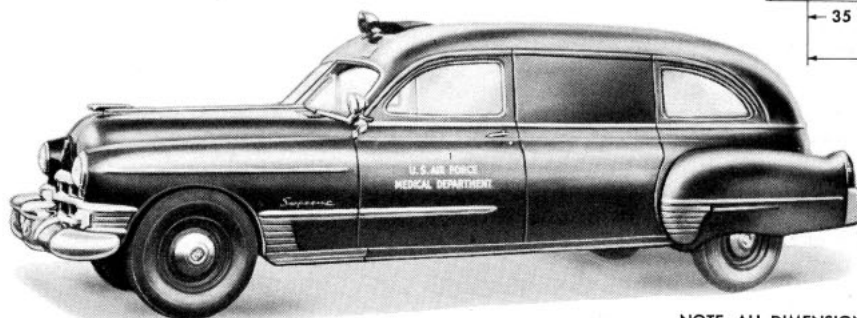
ENGINE

Manufacturer: Cadillac.....Model 1951
Type.....4-cycle, valve-in-head; No. of cylinders (90-deg V) 8
Displacement.....(cu in.) 331
Bore.....(in.) 3 1/8
Stroke.....(in.) 3 3/4
Compression ratio.....7.5:1
Governed speed.....not governed
Brake horsepower (max w/std accessories).....141 at (rpm) 3,400
Torque (max w/std accessories).....297 lb-ft at (rpm) 1,800

ADDITIONAL DATA

Rear axle, type.....hypoid, semi-floating
Transmission, type.....synchromesh

AMBULANCE, METROPOLITAN, $\frac{3}{4}$ -TON, 4-LITTER **(Cadillac-Superior, Models 62, 1942; V-8, 1948; and 4986, 1949)**



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137751

Vehicle illustrated: Model 4986, 1949.
Classification: Standard.

Purpose: To transport sick and wounded personnel.

GENERAL DATA

Crew	2; Passengers (including crew) 12
Weight (lb)	Net 5,530; Payload 1,500; Gross 7,030
Rear-axle gear ratio	3.77:1
Axle load (lb):	
Empty.....	front 2,660; rear 2,870
Loaded.....	front 2,920; rear 4,110
Tires:	
Ply 6; Size 8.90 x 15; Pressure (psi).....	front 24; rear 30
Tread, center-to-center, front.....	(in.) 59
Shipping dimensions, uncrated	(cu ft) 836; (sq ft) 132
Ground clearance	(in.) 9
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	88
Capacities:	
Fuel.....	(gal) 20
Cooling system (qt).....	w/o heater 18; w/heater 19
Crankcase, refill.....	(qt) 5
Transmission.....	(qt) 1 1/4
Rear axle.....	(qt) 2 1/2
Brakes:	
Manufacturer; Bendix.....	Type; hydraulic
Parking brake, type.....	rear-wheel
Transmission forward speeds	3
Gear ratio.....	High 1:1; low 2.39:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 25
Turning radius	(ft) 28 1/2
Fording depth	(in.) 9 3/4
Fuel consumption, loaded	(mpg) 8
Cruising range, loaded	(mi) 160
Allowable speed, recommended	(mph) 65

ENGINE

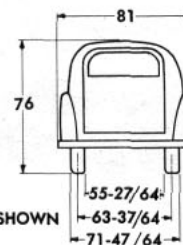
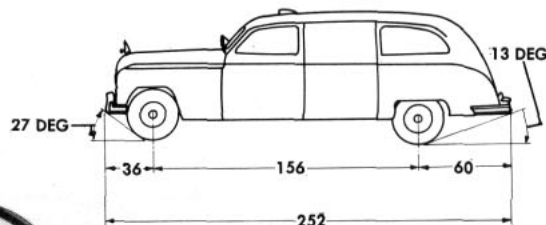
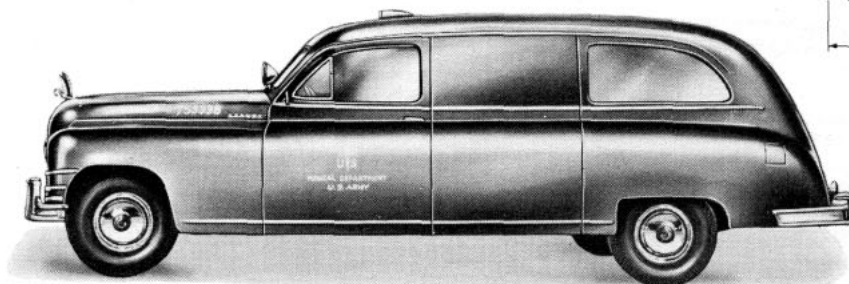
Manufacturer: Cadillac.....	Model 1949
Type: Valve-in-head, 4-cycle.....	No. of cylinders (90-deg V) 8
Displacement	(cu in.) 331
Bore	(in.) 3 13/16
Stroke	(in.) 3 5/8
Compression ratio	7.50:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	141 at (rpm) 3,400
Torque (max w/std accessories)	297 lb-ft at (rpm) 1,800

ADDITIONAL DATA

Transmission, type	synchromesh
Rear axle, type	hypoid, semi-floating

AMBULANCE, METROPOLITAN, 3/4-TON, 4-LITTER

(Packard-Henney, Models 4294 HDA, 1942 and 2213-9, 1949)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137743

Vehicle illustrated: Model 2213-9, 1949.
Classification: Standard.

Purpose: To transport sick and wounded personnel.

GENERAL DATA

Crew.....2; Passengers (including crew) 12
Weight (lb).....Net 6,223; Payload 1,500; Gross 7,723
Rear-axle gear ratio.....4.54:1
Axle load (lb):
 Empty.....front 3,295; rear 2,928
 Loaded.....front 3,540; rear 4,183
Tires:
 Ply 6; Size 7.50 x 16; Pressure (psi).....front 30, rear 40
 Tread, center-to-center, front.....(in.) 59 1/2
Shipping dimensions, uncrated.....(cu ft) 900; (sq ft) 142
Vehicle dimensions:
 Ground clearance.....(in.) 9
 Loading height, empty.....(in.) 24 1/2
Electrical system.....(volts) 6
 No. of batteries.....1
 Type of ground.....positive
Fuel octane rating.....80
Capacities:
 Fuel.....(gal) 20
 Cooling system (qt).....w/o heater 19; w/heater 19 1/2
 Crankcase, refill.....(qt) 7
 Transmission.....(qt) 1
 Rear axle.....(qt) 3
Brakes:
 Manufacturer: Packard.....Type: hydraulic
 Parking brake, type.....rear-wheel
Transmission for forward speeds.....3
 Gear ratio.....High 1:1; Low 2.43:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....(percent) 28
Turning radius.....(ft) 28
Fording depth.....(in.) 9
Fuel consumption, loaded.....(mpg) 10
Cruising range, loaded.....(mi) 200
Allowable speed, governed.....(mph) 60

ENGINE

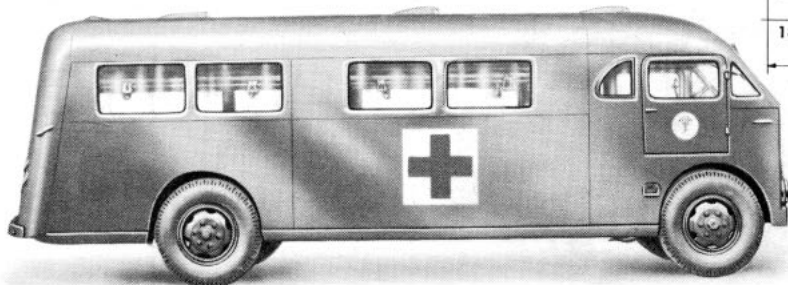
Manufacturer: Packard.....Model 2213
Type.....L-head, 4-cycle; No. of cylinders (in line) 8
Displacement.....(cu. in.) 356
Bore.....(in.) 3 1/2
Stroke.....(in.) 4 5/8
Compression ratio.....7.00:1
Governed speed.....(rpm) 3,600
Brake horsepower (max w/std accessories).....144 at (rpm) 3,600
Torque (max).....282 lb-ft at (rpm) 2,000

ADDITIONAL DATA

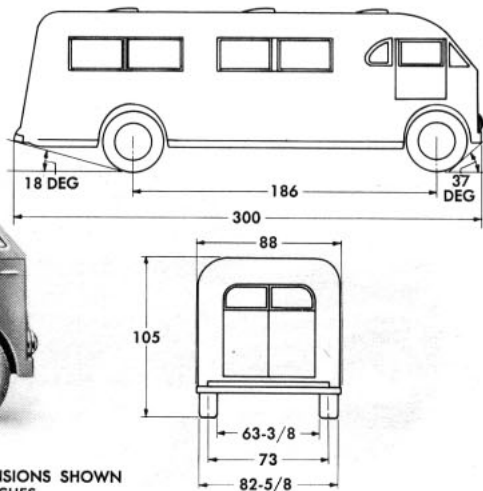
Transmission, type.....synchromesh
Rear axle, type.....hypoid, semifloating

AMBULANCE, METROPOLITAN, 1½-TON, 12-LITTER, M423

(Linn Coach and Truck Division)



RA PD 137731



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Classification: Standard.

GENERAL DATA

Crew.....2; Passengers (including crew) 14
Weight (lb).....Net 6,500; Payload 3,000; Gross 9,500
Front-axle gear ratio.....6.6:1
Axle load (lb):
 Empty.....front 4,000; rear 2,500
 Loaded.....front 5,000; rear 4,500
Tires:
 Ply 10; Size 9.00 x 20.....Pressure (psi) front 60; rear 55
 Tread, center-to-center, front.....(in.) 64¼
Shipping dimensions, uncrated.....(cu ft) 1,530; (sq ft) 180
Ground clearance.....(in.) 10
Electrical system.....(volts) 12
 No. of batteries.....1
 Type of ground.....positive
Fuel octane rating.....70
Capacities:
 Fuel.....(gal) 29
 Cooling system (qt).....w/o heater 17; w/heater 18½
 Crankcase, refill.....(qt) 5
 Transmission.....(qt) 2¾
 Transfer.....(qt) 3
 Front axle.....(qt) 2½
Brakes:
 Manufacturer; Wagner Electric.....Type; hydraulic
 Parking brake, type.....transmission
Transmission forward speeds.....4
 Gear ratio.....High 1:1; Low 6.4:1
Transfer speeds.....1
 Gear ratio.....1:1

Purpose: To transport sick and wounded personnel.

PERFORMANCE

Computed grade ability in lowest gear, loaded.....(percent) 42
Turning radius.....(ft) 32
Fuel consumption, loaded.....(mpg) 8
Cruising range, loaded.....(mi) 232
Allowable speed, governed.....(mph) 50

ENGINE

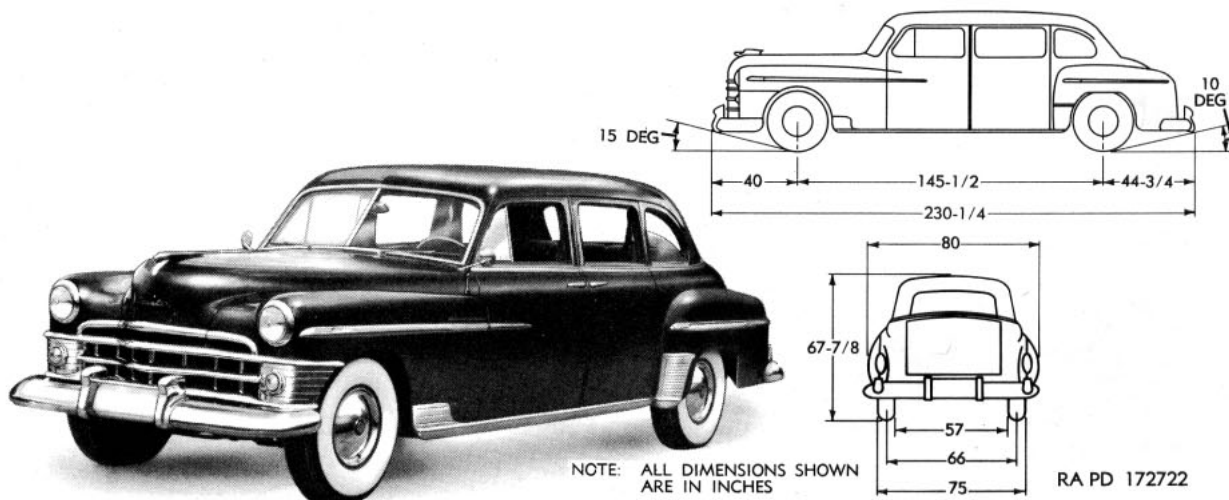
Manufacturer: Dodge.....Model T-214
Type: L-head, 4-cycle.....No. of cylinders (in line) 6
Displacement.....(cu in.) 230.2
Bore.....(in.) 3¼
Stroke.....(in.) 4¾
Compression ratio.....6.7:1
Governed speed.....(rpm) 3,200
Brake horsepower (max w/std accessories).....94 at (rpm) 3,500
Torque (max).....175 lb-ft at (rpm) 1,300

ADDITIONAL DATA

Front-wheel drive only
Floodlight over rear door

AUTOMOBILE, LIMOUSINE, HEAVY, 7-PASSENGER, 4 x 2

(Chrysler, Crown Imperial)



Classification: Nonclassified.

GENERAL DATA

Crew1; Passengers (including crew) 7
Weight (lb)Net 5,491
 Payload1,225
 Gross6,716
Rear-axle gear ratio3.58:1
Axle load (lb):
 Emptyfront 2,880; rear 2,611
 Loadedfront 3,190; rear 3,526
Tires:
 Ply 6; Size 8.90 x 15; Pressure(psi) 24
 Tread, center-to-center, front(in.) 57½
Shipping dimensions, uncrated:(cu ft) 725;(sq ft) 128
Ground clearance(in.) 6¾
Electrical system(volts) 6
 No. of batteries1
 Type of groundpositive
Fuel octane rating72
Capacities:
 Fuel(gal) 20
 Cooling system(qt) 21
 Crankcase, refill(qt) 5
 Transmission(qt) 1½
 Rear axle(qt) 2½
Brakes:
 Manufacturer; ChryslerType; hydraulic
 Parking brake, typetransmission
Transmission forward speeds4
 Gear ratio: High 1:1Low 3.57:1

Purpose: To transport personnel.

PERFORMANCE

Computed grade ability in lowest gear, loaded(percent) 32
Fuel consumption, loaded(mpg) 14
Cruising range, loaded(mi) 280
Allowable speed, recommended(mph) 70

ENGINE

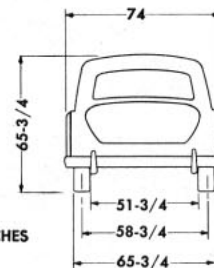
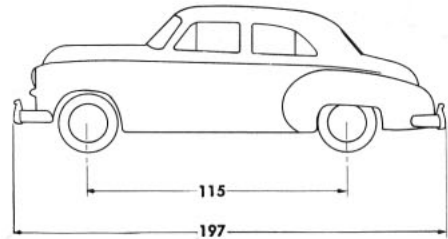
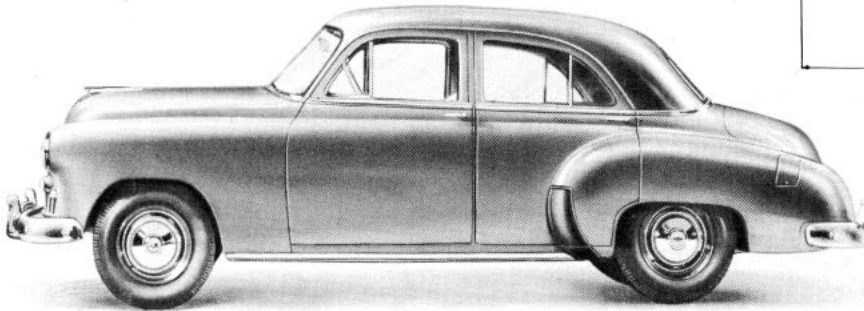
Manufacturer: ChryslerModel C-50
Type: 4-cycle, valve-in-headNo. of cylinders (90-deg V) 8
Displacement(cu in.) 331
Bore(in.) 3¼
Stroke(in.) 3¾
Compression ratio7.5:1
Governed speednot governed
Brake horsepower, gross180 at (rpm) 4,000
Torque, maximum gross312 lb-ft at (rpm) 2,000

ADDITIONAL DATA

Rear axle, typehypoid, semifloating
Transmission, typehydraulic, prestomatic

AUTOMOBILE, SEDAN, LIGHT, 5-PASSENGER

(Chevrolet, Models KB, 1940; 1503-AG, 1941; 1503-BG, 1942; 1553-GJ, 1949; and 1503-GJ, 1949)



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

RA PD 137794

Vehicle illustrated: Model 1503-GJ, 1949.

Classification: Standard.

GENERAL DATA

Crew	1; Passengers (including crew) 5
Weight (lb)	Net 3,220; Payload 800; Gross 4,020
Rear-axle gear ratio	4.11:1
Axle load (lb):	
Empty	front 1,740; rear 1,480
Loaded	front 2,010; rear 2,010
Tires:	
Ply 4; Size 6.70x15; Pressure	(psi) 24
Tread, center-to-center, front	(in.) 57
Shipping dimensions, uncrated	(cu ft) 550; (sq ft) 100
Ground clearance	(in.) 8 1/2
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 16
Cooling system (qt)	w/o heater 15; w/heater 16
Crankcase, refill	(qt) 5
Transmission	(qt) 3 1/4
Rear axle	(qt) 1 3/4
Brakes:	
Manufacturer; Chevrolet	Type; hydraulic
Parking brake, type	rear-wheel
Transmission forward speeds	3
Gear ratio	High 1:1; Low 2.94:1

Purpose: To transport personnel.

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 35
Turning radius (ft)	right 19; left 20
Fording depth	(in.) 15
Fuel consumption, loaded	(mpg) 14
Cruising range, loaded	(mi) 224
Allowable speed, recommended	(mph) 70

ENGINE

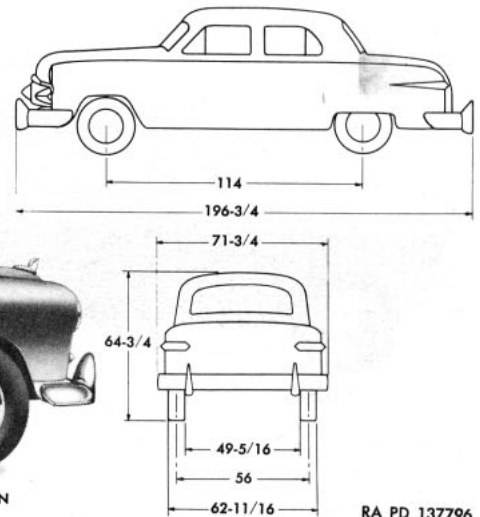
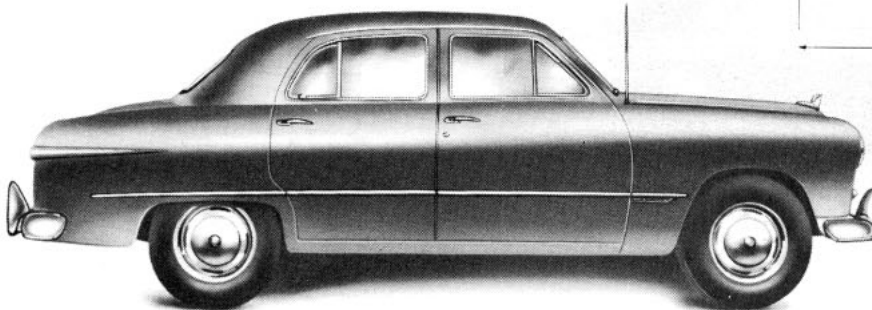
Manufacturer: Chevrolet	Model GAA or GAM 1001 up
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement	(cu in.) 216.5
Bore	(in.) 3 1/2
Stroke	(in.) 3 3/4
Compression ratio	6.6:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	83 at (rpm) 3,200
Torque (max w/std accessories)	168 lb-ft at (rpm) 1,100

ADDITIONAL DATA

Transmission, type	synchronesh
Rear axle, type	hypoid, semifloating
Differences in data for Models KB, 1940; 1503-AG, 1941; and 1503-BG, 1942 are as follows:	
Tires:	
Ply 4; Size 6.00x16; Pressure	(psi) front 28; rear 30
Tread, center-to-center, front	(in.) 57 3/4
Engine	Model 2AA or 2AC or BA 1001 up

AUTOMOBILE, SEDAN, LIGHT, 5-PASSENGER

(Ford, Models 01A, 8-cyl, 112-in WB, 1940; 1GA73A, B, and C, 6-cyl, 114-in WB, 1941; 11A73A, B, and C (11AS73C), 8-cyl, 114-in WB, 1941; 2GA73A, B, and C, 6-cyl, 114-in WB, 1942; 21A73A, B, and C, 8-cyl, 114-in WB, 1942; 79A, 1947; and 98HA, 1949)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137796

Technical Manual: 10-1375; Supply Catalog: SNL G-522.

Vehicle illustrated: Model 98HA, 1949.

Classification: Standard.

Purpose: To transport personnel.

GENERAL DATA

Crew	1; Passengers (including crew) 5
Weight (lb)	Net 3,395; Payload 775; Gross 4,170
Rear-axle gear ratio	3.78:1
Axle load (lb):	
Empty	front 1,765; rear 1,630
Loaded	front 1,967; rear 2,203
Tires:	
Ply 6; Size 6.00 x 16; Pressure	(psi) 35
Tread, center-to-center, front	(in.) 58
Shipping dimensions, uncrated	(cu ft) 560; (sq ft) 99
Ground clearance	(in.) 7 1/4
Electrical system	(volts) 6
No. of batteries	1
Type of ground	positive
Fuel octane rating	72
Capacities:	
Fuel	(gal) 17
Cooling system	(qt) 15
Crankcase, refill	(qt) 5
Transmission	(qt) 13 1/2
Rear axle	(qt) 1 1/4
Brakes:	
Manufacturer; Ford-Wagner	Type; hydraulic
Parking brake, type	rear-wheel
Transmission for ward speeds	3
Gear ratio: High 1:1	Low 3.11:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 36
Turning radius	(ft) 20 3/4
Fording depth	(in.) 18 3/4
Fuel consumption, loaded	(mpg) 13
Cruising range, loaded	(mi) 221
Allowable speed, (recommended)	(mph) 70

ENGINE

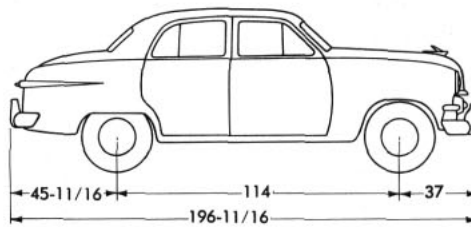
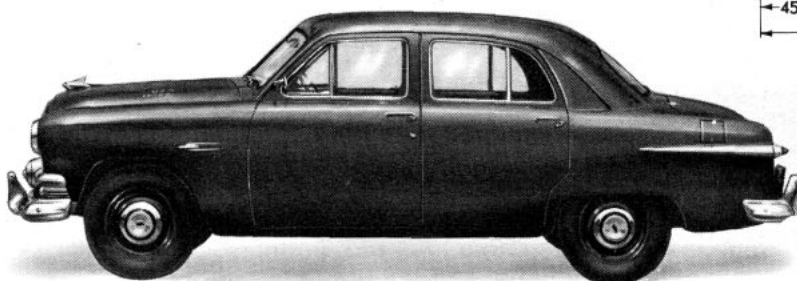
Manufacturer: Ford	Part No. (6-cyl) FM-2GA-6005
	(8-cyl, 100-hp) FM-59A-6005
	(8-cyl, 90-hp) FM-01A-6005
	FM-21A-6005
	FM-41A-6011B
Type: L-head, 4-cycle	No. of cylinders (in line) 6; (90-deg V) 8
Displacement: (cu in)	(6-cyl) 226
	(8-cyl, 100-hp) 239.4
	(8-cyl, 90-hp) 221
Bore: (in.)	(6-cyl) 3.3
	(8-cyl, 100-hp) 3 3/16
	(8-cyl, 90-hp) 3 1/16
Stroke: (in.)	(6-cyl) 4.4
	(8-cyl, 100-hp) 3 3/4
	(8-cyl, 90-hp) 3 3/4
Compression ratio	(6-cyl) 7.6:1
	(8-cyl, 100-hp) 6.4:1
	(8-cyl, 90-hp) 6.2:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	(6-cyl) 90
	(8-cyl) 90 and 100
Torque (max) (lb.-ft.):	
(6 cyl)	180 at (rpm) 1,200
(8-cyl, 100-hp)	176 at (rpm) 2,000
(8-cyl, 90-hp)	156 at (rpm) 2,200

ADDITIONAL DATA

Transmission, type	synchronesh
Rear axle, type:	
(late models)	hypoid, semifloating
(early models)	spiral-bevel, semifloating

AUTOMOBILE, SEDAN, LIGHT, 5-PASSENGER

(Ford, Model 1HA, 1951)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172744

Classification: Standard.

Purpose: To transport personnel.

GENERAL DATA

Crew.....1; Passengers (including crew) 5
Weight (lb).....Net 3,200
 Payload.....775
 Gross.....3,975
Rear-axle gear ratio.....3.73:1
Axle-load (lb):
 Empty.....front 1,660; rear 1,540
 Loaded.....front 1,795; rear 2,180
Tires:
 Ply 4; Size 6.00 x 16; Pressure (psi) front 28, rear 25.
 Tread, center-to-center, front.....(in.) 56
Shipping dimensions, uncrated: (cu ft) 535.....(sq ft) 98
Vehicle dimensions:
 Ground clearance.....(in.) 6 3/4
Electrical system.....(volts) 6
 No. of batteries.....1
 Type of ground.....positive
Fuel octane rating.....72
Capacities:
 Fuel.....(gal) 16
 Cooling system.....(qt) 16
 Crankcase, refill.....(qt) 5
 Transmission.....(qt) 13 1/4
 Rear axle.....(qt) 13 1/4
Brakes:
 Manufacturer; Ford.....Type; hydraulic
 Parking brake, type.....rear-wheel
Transmission for ward speeds.....3
 Gear ratio: High 1:1.....Low 2.819:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....(percent) 36
Turning radius.....(ft) 20
Fording depth.....(in.) 18
Fuel consumption, loaded.....(mpg) 17
Cruising range, loaded.....(mi) 272
Allowable speed, recommended.....(mph) 70

ENGINE

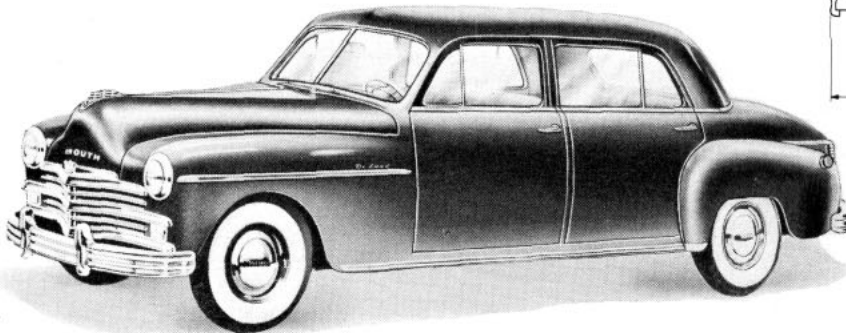
Manufacturer: Ford.....**Model Series H**
Type: 4-cycle, L-head.....**No. of cylinders (in line)** 6
Displacement.....(cu in.) 226
Bore.....(in.) 3.3
Stroke.....(in.) 4.4
Compression ratio.....6.8:1
Governed speed.....not governed
Brake horsepower (max w/std accessories).....95 at (rpm) 3,300
Torque (max w/std accessories).....180 lb-ft at (rpm) 1,200

ADDITIONAL DATA

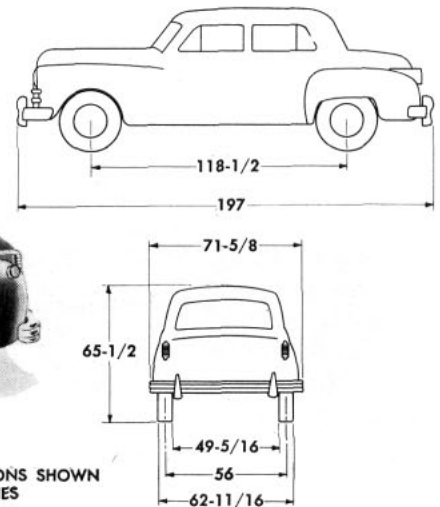
Rear axle, type.....hypoid, semifloating
Transmission, type.....synchromesh

AUTOMOBILE, SEDAN, LIGHT, 5-PASSENGER

(Plymouth, Models P9, 1940; P11, 1941; P14, 1942; P15S, 1947-48; and P18, 1949)



RA PD 137730



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 10-1151; (Model P9) 10-1149 (Model P11); Supply Catalog: SNL G-521 (Models P11 and P14).

Vehicle illustrated: Model P18, 1949.

Classification: Standard.

Purpose: To transport personnel.

GENERAL DATA

Crew	1; Passengers (including crew) 5
Weight (lb)	Net 3,175; Payload 750; Gross 3,925
Rear-axle gear ratio	3.9:1
Axle load (lb):	
Empty	front 1,705; rear 1,470
Loaded	front 1,934; rear 1,991
Tires:	
Ply 4; Size 6.00 x 16; Pressure	(psi) 28
Tread, center-to-center, front	(in.) 57
Shipping dimensions, uncrated	(cu ft) 556; (sq ft) 100
Ground clearance	(in.) 8 1/2
Electrical system	(volts) 6
No. of batteries	1
Type of ground	positive
Fuel octane rating	72
Capacities:	
Fuel	(gal) 17
Cooling system	(qt) 15
Crankcase, refill	(qt) 5
Transmission	(qt) 13 1/4
Rear axle	(qt) 13 1/4
Brakes:	
Manufacturer: Chrysler	Type: hydraulic
Parking brake, type	transmission
Transmission forward speeds	3
Gear ratio	High 1:1; Low 2.57:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 35
Turning radius	(ft) 20
Fuel consumption, loaded	(mpg) 17
Cruising range, loaded	(mi) 280
Allowable speed, recommended	(mph) 70

ENGINE

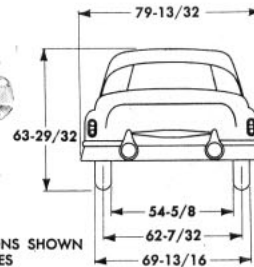
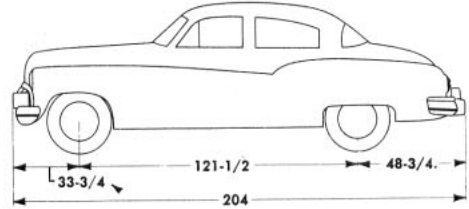
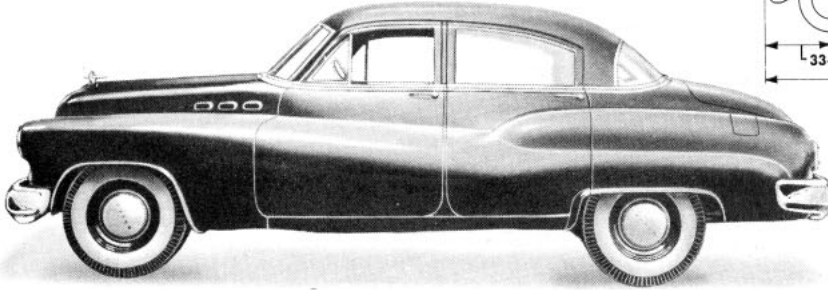
Manufacturer	Chrysler
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 217.8
Bore	(in.) 3 1/4
Stroke	(in.) 4 3/4
Compression ratio	6.6:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	95 at (rpm) 3,600
Torque (max)	172 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Transmission, type	synchromesh
Rear axle, type	hypoid, semifloating
Differences in data for Model P18, 1949.	
Tires:	
Ply 4; Size 6.70 x 15; Pressure	(psi) 24
Tread, center-to-center, front	(in.) 55
Compression ratio	7:1
Brake horsepower (max w/std accessories)	97 at (rpm) 3,600
Torque (max w/std accessories)	175 lb-ft at (rpm) 1,200

AUTOMOBILE, SEDAN, MEDIUM, 5-PASSENGER

(Buick, Model 41, 1948 and Model 41, 1950)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137717

Vehicle illustrated: Model 41, 1950.

Classification: Standard.

Purpose: To transport personnel.

GENERAL DATA

Crew	1; Passengers (including crew) 5
Weight (lb)	Net 3,786; Payload 750; Gross 4,536
Rear-axle gear ratio	4.1:1
Axle load (lb):	
Empty	front 1,986; rear 1,800
Loaded (5 pass)	front 2,185; rear 2,351
Tires:	
Ply 4; Size 7.60 x 15; Pressure	(psi) 24
Tread, front, center-to-center	(in.) 59 1/4
Shipping dimensions, uncrated	(cu ft) 596; (sq ft) 112
Ground clearance	(in.) 6 3/4
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 19
Cooling system	(qt) w/o heater 13; w/heater 14 1/4
Crankcase, refill	(qt) 4 1/2
Transmission	(qt) 7 1/2
Rear axle	(qt) 2
Brakes:	
Manufacturer; Bendix or Delco	Type; hydraulic
Parking brake, type	rear-wheel
Transmission forward speeds	3
Gear ratio	High 1:1; Low 2.67:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 48
Turning radius	(ft) 20
Fuel consumption, loaded	(mpg) 17
Cruising range, loaded	(mi) 320
Allowable speed, recommended	(mph) 70

ENGINE

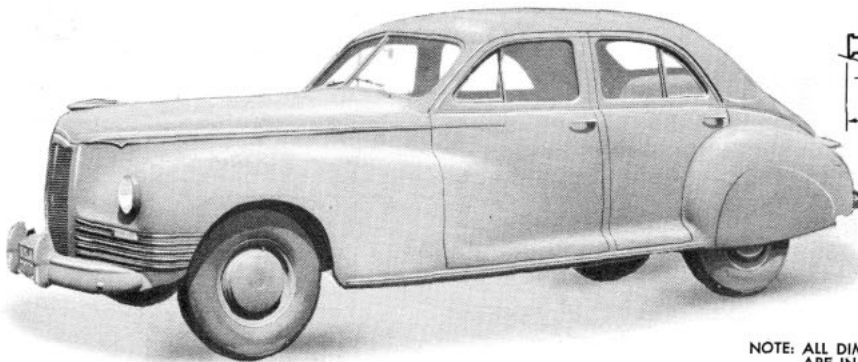
Manufacturer: Buick	Model 1950-41
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 8
Displacement	(cu in.) 248.1
Bore	(in.) 3 3/4
Stroke	(in.) 4 1/2
Compression ratio	6.6:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	110 at (rpm) 3,600
Torque (max)	212 lb-ft at (rpm) 2,000

ADDITIONAL DATA

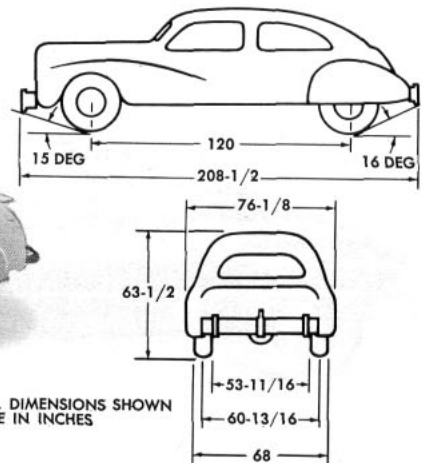
Transmission, type	synchromesh
Rear axle, type	hypoid, semifloating

AUTOMOBILE, SEDAN, MEDIUM, 5-PASSENGER

(Packard, Models 1803, 1940; 1903, 1941; 2003, 1942)



RA PD 137770



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Supply Catalogue: SNL G-644.

Vehicle illustrated: Model 2003, 1942.
Classification: Standard.

Purpose: To transport personnel.

GENERAL DATA

Crew.....1 Passengers (including crew) 6
Weight (lb).....Net 3,560; Payload 850; Gross 4,410
Rear-axle gear ratio.....4.1:1
Axle load (lb):
 Empty.....front 1,873; rear 1,687
 Loaded.....front 2,078; rear 2,332
Tires:
 Ply 4; Size 6.50x15; Pressure.....(psi) 28
 Tread, center-to-center, front.....(in.) 59 1/4
Shipping dimensions, uncrated.....(cu ft) 597; (sq ft) 106
Ground clearance.....(in.) 6 1/4
Electrical system.....(volts) 6
 No. of batteries.....1
 Type of ground.....positive
Fuel octane rating.....70
Capacities:
 Fuel.....(gal) 17
 Cooling system.....(qt) 17
 Crankcase, refill.....(qt) 5 1/2
 Transmission.....(qt) 1
 Rear axle.....(qt) 2 1/2
Brakes:
 Manufacturer; Packard.....Type; hydraulic
 Parking brake, type.....rear-wheel
Transmission forward speeds.....3
 Gear ratio.....High 1:1; Low 2.43:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....(percent) 33
Turning radius.....(ft) 21
Fording depth.....(in.) 18 3/4
Fuel consumption, loaded.....(mpg) 13
Cruising range, loaded.....(mi) 220
Allowable speed, recommended.....(mph) 70

ENGINE

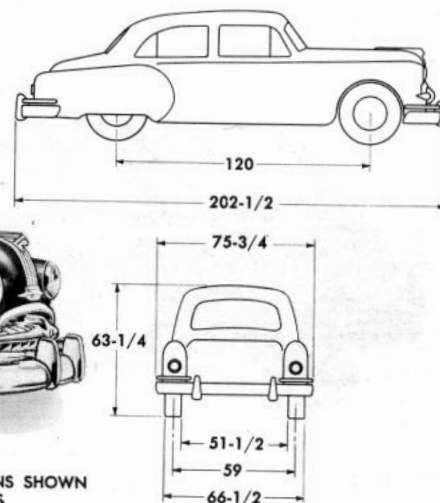
Manufacturer: Packard.....Model 2001
Type: L-head, 4-cycle.....No. of cylinders (in line) 8
Displacement.....(cu in.) 282
Bore.....(in.) 3 1/4
Stroke.....(in.) 4 1/4
Compression ratio.....6.85:1
Governed speed.....not governed
Brake horsepower (max w/std accessories).....125 at (rpm) 3,600
Torque (max).....230 lb-ft at (rpm) 2,000

ADDITIONAL DATA

Transmission, type.....synchromesh
Rear axle, type.....hypoid, semifloating

AUTOMOBILE, SEDAN, MEDIUM, 5-PASSENGER

(Pontiac, Chieftain, 6-cyl, 1949 and 8-cyl, 1949)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137728

Classification: Standard.

Purpose: To transport personnel.

GENERAL DATA

Crew.....1; Passengers (including crew) 5
Weight (lb).....Net 3,440; Payload 850; Gross 4,290
Rear-axle gear ratio.....4.1:1
Axle load (lb):
 Empty.....front 1,870; rear 1,570
 Loaded.....front 2,075; rear 2,215
Tires:
 Ply 4; Size 7.10 x 15; Pressure.....(psi) 24
 Tread, center-to-center, front.....(in.) 58
Shipping dimensions, uncreated.....(cu ft) 562; (sq ft) 107
Ground clearance.....(in.) 6 3/4
Electrical system.....(volts) 6
 No. of batteries.....1
 Type of ground.....negative
Fuel octane rating.....75
Capacities:
 Fuel.....(gal) 17 1/2
 Cooling system (qt).....w/o heater 18 1/4; w/heater 19 3/4
 Crankcase, refill.....(qt) 5
 Transmission.....(qt) 3 3/4
 Rear axle.....(qt) 1 3/4
Brakes:
 Manufacturer; Bendix.....Type; hydraulic
 Parking brake, type.....rear-wheel
Transmission forward speeds.....3
 Gear ratio.....High 1:1; Low 2.67:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....(percent) 32
Turning radius.....(ft) 20
Fuel consumption, loaded.....(mpg) 16
Cruising range.....(mi) 280
Allowable speed, recommended.....(mph) 70

ENGINE

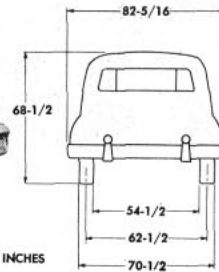
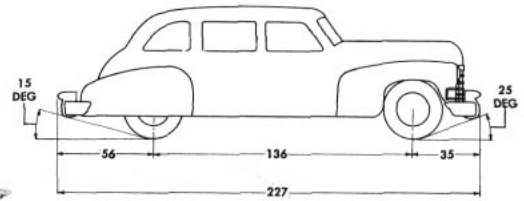
Manufacturer: Pontiac.....**Model:** none
Type: L-head, 4-cycle.....**No. of cylinders (in line)** 6
Displacement.....(cu in.) 239.2
Bore.....(in.) 3 3/4
Stroke.....(in.) 4
Compression ratio.....6.5:1
Governed speed.....not governed
Brake horsepower, (max w/std accessories).....90 at (rpm) 3,400
Torque (max).....178 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Rear axle, type.....hypoid, semi-floating
Transmission, type.....synchromesh
 Data given for 6-cyl model. Changes in data for 8-cyl engine are as follows:
No. of cylinders.....(in line) 8
Displacement.....(cu in.) 248.9
Bore.....(in.) 3 3/4
Stroke.....(in.) 3 3/4
Brake horsepower (gross).....104 at (rpm) 3,800
Torque (max gross).....190 lb-ft at (rpm) 2,200

AUTOMOBILE, SEDAN, HEAVY, 5-PASSENGER

(Cadillac, Model 75, 1948)



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

RA PD 137800

Classification: Nonclassified.

GENERAL DATA

Crew.....1; Passengers (including crew) 5
Weight (lb).....Net 5,047; Payload 900; Gross 5,947
Rear-axle gear ratio.....Standard 4.22:1; Hydramatic 3.77:1
Axle load (lb):
 Empty.....front 2,410; rear 2,637
 Loaded.....front 2,660; rear 3,287
Tires:
 Ply 6; Size 7.50 x 16; Pressure.....(psi) front 24; rear 32
 Tread, center-to-center.....(in.) 58½
Shipping dimensions, uncrated.....(cu ft) 737; (sq ft) 130
Ground clearance.....(in.) 9
Electrical system.....(volts) 6
 No. of batteries.....1
 Type of ground.....negative
Fuel octane rating.....80
Capacities:
 Fuel.....(gal) 24
 Cooling system (qt).....w/o heater 25; w/heater 26
 Crankcase, refill.....(qt) 7
 Transmission.....(qt) 1¼
 Rear axle.....(qt) 2½
Brakes:
 Manufacturer; Bendix.....Type; hydraulic
 Parking brake, type.....rear-wheel
Transmission for ward speeds.....Standard 3; Hydramatic 4
Gear ratio:
 Standard.....High 1:1; Low 2.39:1
 Hydramatic.....High 1:1; Low 3.819:1

Purpose: To transport personnel.

PERFORMANCE

Computed grade ability in lowest gear, loaded.....(percent) 31
Turning radius.....(ft) 23
Fording depth.....(in.) 9
Fuel consumption, loaded.....(mpg) 12
Cruising range, loaded.....(mi) 288
Allowable speed, recommended.....(mph) 70

ENGINE

Manufacturer: Cadillac.....Model 1948
Type: L-head, 4-cycle.....No. of cylinders (90-deg V) 8
Displacement.....(cu in.) 346
Bore.....(in.) 3½
Stroke.....(in.) 4½
Compression ratio.....7.25:1
Governed speed.....not governed
Brake horsepower (max w/std accessories).....130 at (rpm) 3,200
Torque (max).....272 lb-ft at (rpm) 1,800

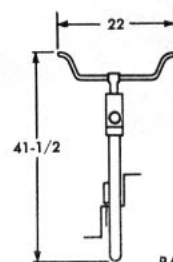
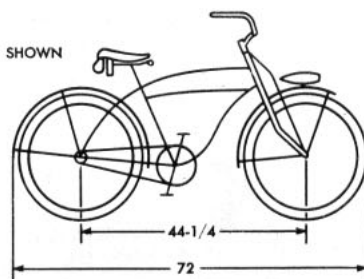
ADDITIONAL DATA

Transmission, type.....synchromesh or hydramatic
Rear axle, type.....full-floating

BICYCLE, MILITARY, MEN'S, M305, AND BICYCLE, MILITARY, MEN'S (Westfield, Columbia, Series MF and MG, 1942-43)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137779

Supply Catalog: SNL G-519.

Vehicle illustrated: M305.
Classification: Standard.

Purpose: To transport personnel for messenger or dispatch service.

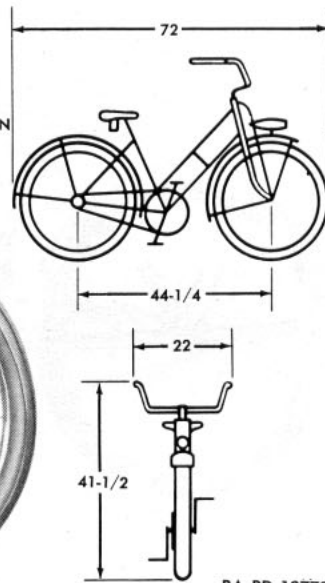
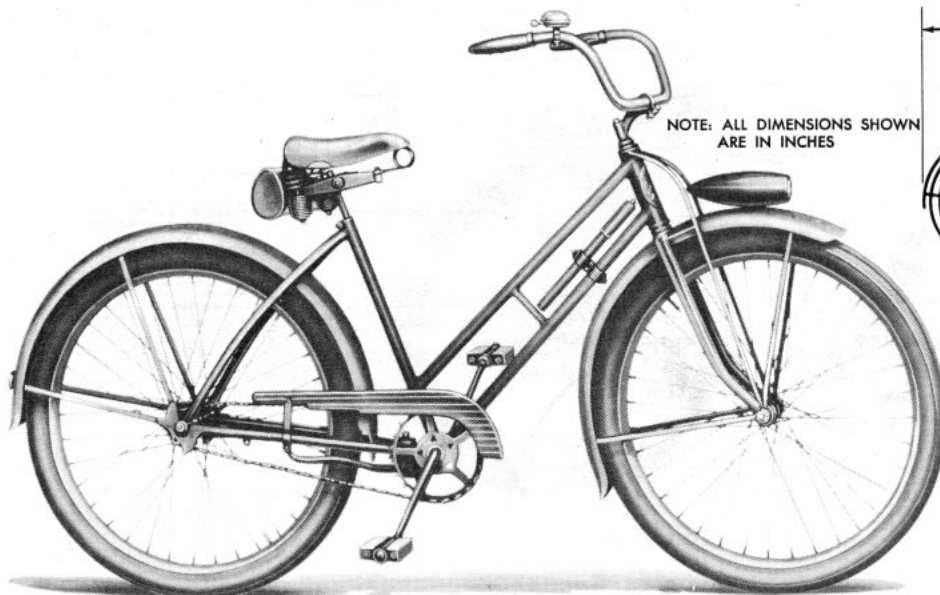
GENERAL DATA

Crew.....1
Weight (lb).....Net 55; Payload 200
Shipping dimensions, uncrated.....(cu ft) 40; (sq ft) 12
Tires.....Ply 2; Size 26 x 2.125; Pressure (psi) 22
Type of drive.....chain

ADDITIONAL DATA

BICYCLE, MILITARY, WOMEN'S, M306, AND BICYCLE, MILITARY, WOMEN'S

(Westfield, Columbia, Series MF and MG, 1942-43)



RA PD 137780

Technical Manual: 10-1481; Supply Catalog: SNL G-519.

Classification: Standard.

Purpose: To transport personnel for messenger or dispatch service.

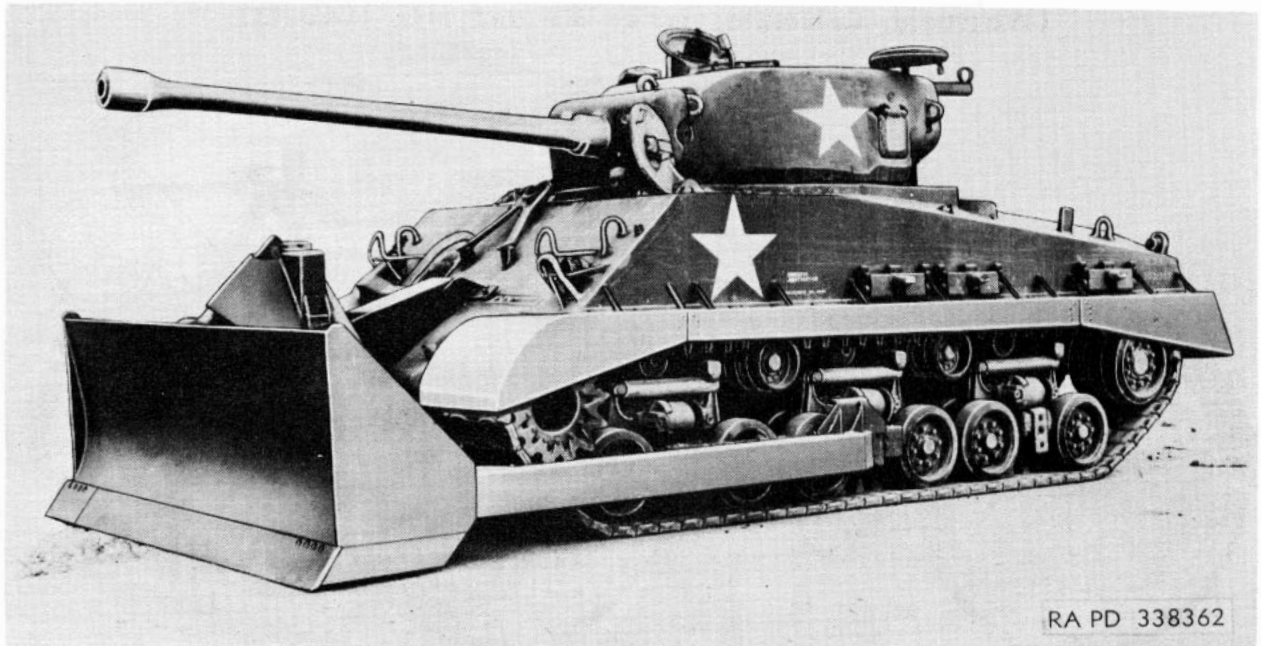
GENERAL DATA

Crew.....	1
Weight (lb).....	Net 52; Payload 175
Shipping dimensions, uncrated.....	(cu ft) 40; (sq ft) 12
Tires.....	Ply 2; Size 26 x 2.125; Pressure (psi) 22
Type of drive.....	chain

ADDITIONAL DATA

BULLDOZER, TANK-MOUNTING, M1 AND M1A1

(Mounted on medium tank M4 series)



Technical Manual: 9-719; Supply Catalog: SNL G-228.

Bulldozer illustrated: M1A1 (mounted on medium tank, M4A3).

Classification: Limited Standard.

Purpose: To be mounted on medium tanks of the M4 series for moving earth. The M1 is applicable to those having standard vertical volute suspension; the M1A1 is applicable to all tanks of this series.

GENERAL DATA

Weight (net increase to vehicle weight, including oil) (lb)..... M1 7,100;
M1A1 7,400
Moldboard length (in.)..... M1 124; M1A1 138
Moldboard height..... (in.) 48
Relation of moldboard cutting edge to ground:
Highest position above (in)..... M1 30; M1A1 42
Lowest position below..... (in.) 18

PERFORMANCE

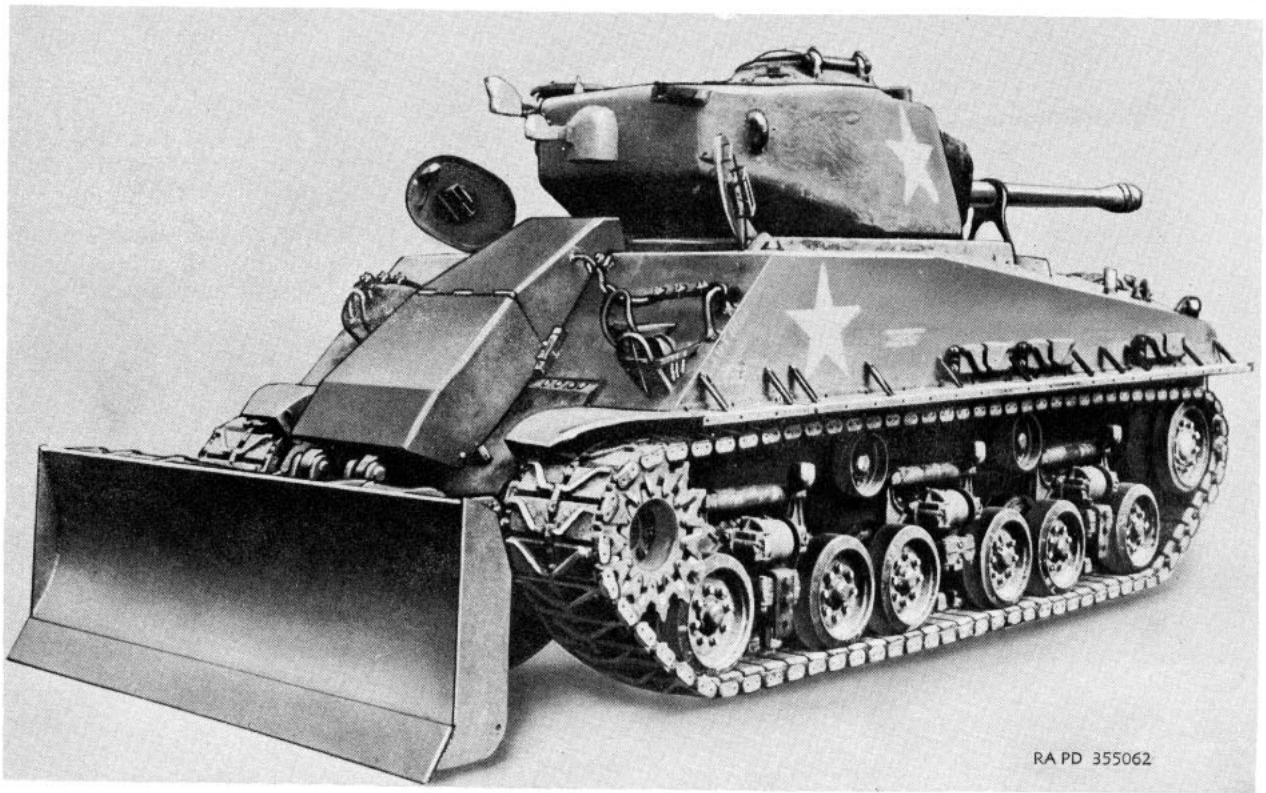
Lift load (on blade) (lb)..... M1 4,000; M1A1 5,000

ADDITIONAL DATA

Blade can be jettisoned from inside of tank.

BULLDOZER, TANK-MOUNTING, M2

(Mounted on medium tank M4A3)



RA PD 355062

Technical Manual: 9-722; Supply Catalog: SNL G-228.

Classification: Standard.

Purpose: To be mounted on Medium Tank, M4A3, 76-mm Gun for moving earth.

GENERAL DATA

Weight (net increase to vehicle weight, including oil)	(lb) 6,000
Moldboard length	(in.) 124
Moldboard height	(in.) 36 $\frac{3}{4}$
Reversible moldboard cutting edge	(in.) 124 x 8 x 3 $\frac{3}{4}$
Angle of moldboard cutting edge (with horizontal):	
At ground level	(deg) 58
At lowest position	(deg) 65
Relation of moldboard cutting edge to ground:	
Carrying position, above	(in.) 29
Highest position, above	(in.) 30 $\frac{1}{2}$
Lowest position, below	(in.) 12 $\frac{3}{4}$
Vehicle angle of approach:	
Blade in carrying position	(deg) 24
Blade in highest position	(deg) 25

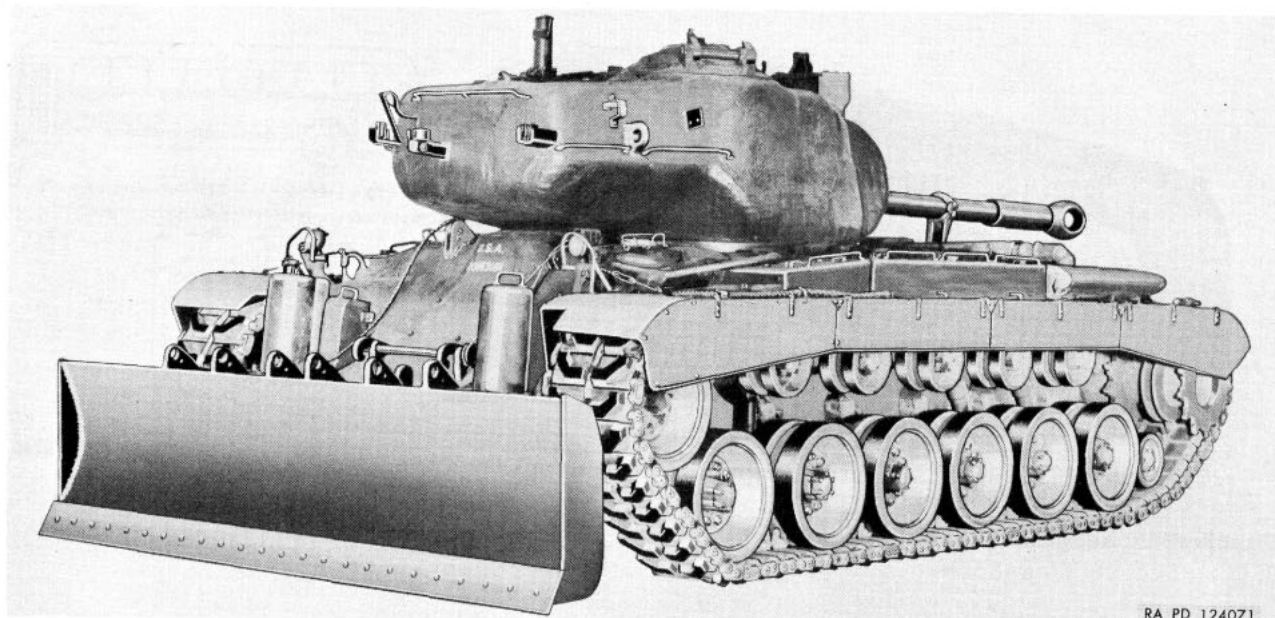
PERFORMANCE

Rate of lift:	
Vehicle engine at 1,500 rpm	(in. per sec) 5.83
Vehicle engine at 2,100 rpm	(in. per sec) 7.26
Forward speed of vehicle while bulldozing (vehicle in low gear with engine at 1,500 rpm)	(mph) 1 to 3
Recommended maximum speed of vehicle with bulldozer attached	(mph) 15

ADDITIONAL DATA

BULLDOZER, TANK-MOUNTING, M3

(Mounted on medium tank M46)



RA PD 124071

Technical Manual: 9-723; Supply Catalog: SNL G-246.

Classification: Standard.

Purpose: To be mounted on Medium Tank, M46 for moving earth.

GENERAL DATA

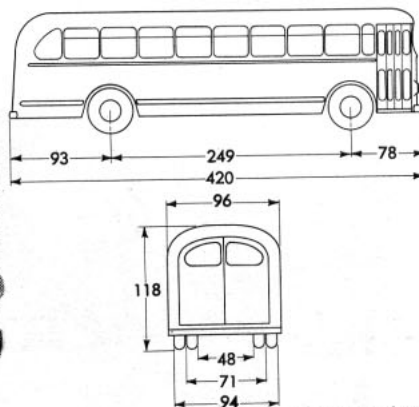
Weight (net increase to vehicle weight, including oil)	(lb) 6,000
Moldboard length	(in.) 124
Moldboard height	(in.) 36 $\frac{3}{4}$
Reversible moldboard cutting edge	(in.) 146 x 8 x $\frac{3}{4}$
Angle of moldboard cutting edge (with horizontal):	
At ground level	(deg) 58
At lowest position	(deg) 60
Relation of moldboard cutting edge to ground:	
Carrying position, above	(in.) 29
Highest position, above	(in.) 30 $\frac{1}{4}$
Lowest position, below	(in.) 9
Vehicle angle of approach:	
Blade in carrying position	(deg) 21
Blade in highest position	(deg) 25

PERFORMANCE

Rate of lift:	
Vehicle engine at 1,500 rpm	(in. per sec) 5.50
Vehicle engine at 2,100 rpm	(in. per sec) 7.75
Forward speed of vehicle while bulldozing (vehicle in low gear with engine at 1,500 rpm)	(mph) 1 to 2
Recommended maximum speed of vehicle with bulldozer attached	(mph) 15

ADDITIONAL DATA

BUS, AMBULANCE, 18-LITTER, 4 x 2 (ACF-Brill)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172740

Classification: Nonclassified.

Purpose: To transport sick and wounded personnel.

GENERAL DATA

Crew	2; Passengers (including crew) 20
Weight (lb)	Net 18,080
Rear-axle gear ratio	5.143:1
Axle load (lb):	
Empty, front 7,600.....	rear 10,480
Tires:	
Ply 12; Size 11.00 x 20; Pressure.....	(psi) 70
Tread, center-to-center, front.....	(in.) 80¼
Shipping dimensions, uncrated	(cu ft) 2,800; (sq ft) 280
Vehicle dimensions:	
Ground clearance.....	(in.) 8¼
Step height, empty.....	(in.) 15¾
Electrical system	(volts) 12
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating	75
Capacities:	
Fuel.....	(gal) 107
Cooling system, w/heater.....	(qt) 80
Crankcase, refill.....	(qt) 24
Transmission.....	(qt) 10
Rear axle.....	(qt) 13
Brakes:	
Manufacturer; Timken-Bendix.....	Type; air
Parking brake, type.....	transmission
Transmission forward speeds	3
Gear ratio.....	High 1:1; Low 3.32:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 16
Turning radius (ft)	right 41; left 39½
Fuel consumption, loaded	(mpg) 4
Cruising range, loaded	(mi) 428
Allowable speed, governed	(mph) 51

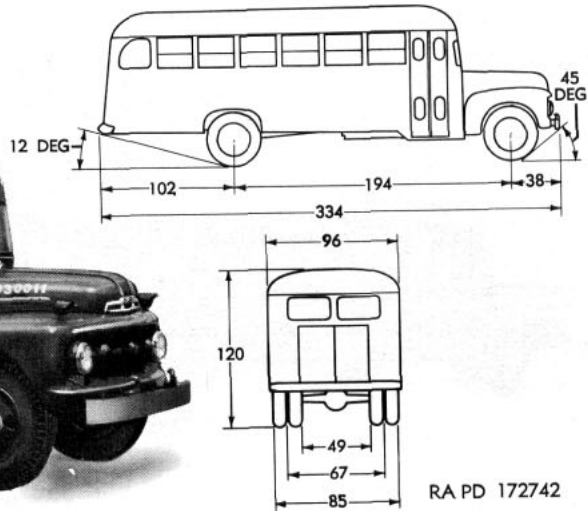
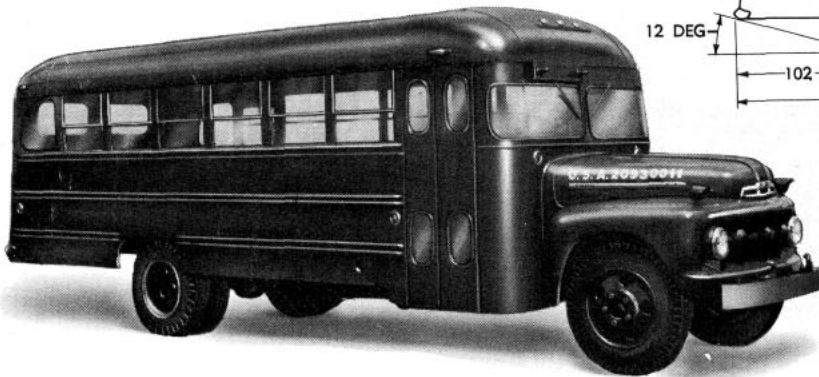
ENGINE

Manufacturer: Hall-Scott.....	Model 180
Type	4-cycle, valve-in-head
No. of cylinders	(horizontal, in line) 6
Displacement	(cu in.) 707
Bore	(in.) 5
Stroke	(in.) 6
Compression ratio	6:1
Governed speed	(rpm) 2,200
Brake horsepower (max w/std accessories)	208 at (rpm) 2,200
Torque (max w/std accessories)	540 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Rear axle, type	spiral-bevel, full-floating
Transmission, type	synchronesh

BUS, BODY ON CHASSIS, 29-PASSENGER, 4 x 2 (Ford, Model F-5)



RA PD 172742

Classification: Nonclassified.

Purpose: To transport personnel.

GENERAL DATA

Crew.....1; Passengers (including crew) 30
Weight (lb).....Net 9,750
 Payload.....5,250
 Gross.....15,000
Rear-axle gear ratio (two-speed).....High 5.83:1; Low 8.11:1
Axle load (lb):
 Empty.....front 3,200; rear 6,550
 Loaded.....front, 4,050; rear 10,950
Tires:
 Ply 10.....Size 8.25 x 20; Pressure (psi) 65
 Tread, center-to-center, front.....(in.) 58½
Shipping dimensions, uncrated.....(cu ft) 2,220; (sq ft) 222
Vehicle dimensions:
 Ground clearance.....(in.) 10¾
 Step height, empty.....(in.) 16
Electrical system.....(volts) 6
 No. of batteries.....1
 Type of ground.....positive
Fuel octane rating.....71
Capacities:
 Fuel.....(gal) 30
 Cooling system, w/o heater.....(qt) 18
 Crankcase, refill.....(qt) 5
 Transmission.....(qt) 4
 Rear axle.....(qt) 7½
Brakes:
 Manufacturer; Ford.....Type; hydrovac
 Parking brake, type.....transmission
Transmission forward speeds.....4
 Gear ratio: High 1:1.....Low 6.4:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....(percent) 38
Turning radius.....(ft) 32
Fording depth.....(in.) 24
Fuel consumption, loaded.....(mpg) 8
Cruising range, loaded.....(mi) 240
Allowable speed, governed.....(mph) 60

ENGINE

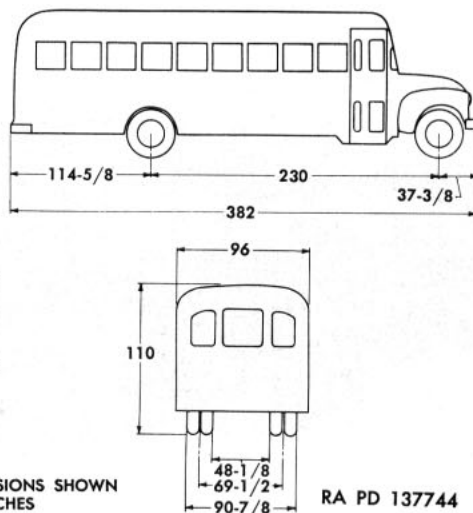
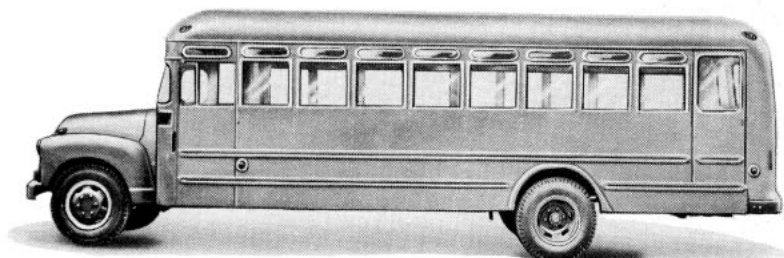
Manufacturer: Ford.....Model 8 MTH
Type.....4-cycle, L-head; No. of cylinders (in line) 6
Displacement.....(cu in.) 254
Bore.....(in.) 3.5
Stroke.....(in.) 4.4
Compression ratio.....6.8:1
Governed speed.....(rpm) 3,200
Brake horsepower (max w/std accessories).....110 at (rpm) 3,150
Torque, maximum gross.....212 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Rear axle, type.....2-speed, spiral-bevel, full-floating
Transmission, type.....synchromesh

BUS, BODY ON CHASSIS, 37-PASSENGER, 4 x 2

(General Motors Corp., Model HCS-57)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137744

Classification: Nonclassified.

Purpose: To transport personnel.

GENERAL DATA

Crew	1; Passengers (including crew) 38
Weight (lb)	Net 11,985; Payload 6,000; Gross 17,985
Rear-axle gear ratio	High 6.67:1; Low 8.85:1
Axle load (lb):	
Empty	front 4,430; rear 7,565
Loaded	front 4,806; rear 13,179
Tires:	
Ply 10	Size 9.00 x 20; Pressure (psi) 65
Tread, center-to-center, front	(in.) 61 7/8
Shipping dimensions, uncrated	(cu ft) 2,340; (sq ft) 255
Ground clearance	(in.) 10 3/4
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 30
Cooling system	(qt) 18
Crankcase, refill	(qt) 10 1/2
Transmission	(qt) 6
Rear axle	(qt) 13
Brakes:	
Manufacturer; GMC	Type; hydrovac
Parking brake, type	transmission
Transmission for ward speeds	5
Gear ratio	High 1:1; Fourth 1.72:1; Low 7.58:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 41
Turning radius	(ft) 38
Fording depth	(in.) 12
Fuel consumption, loaded	(mpg) 5
Cruising range, loaded	(mi) 150
Allowable speed, governed	(mph) 56

ENGINE

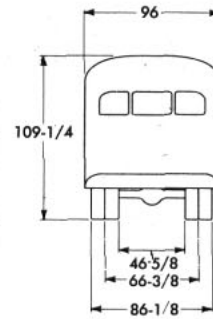
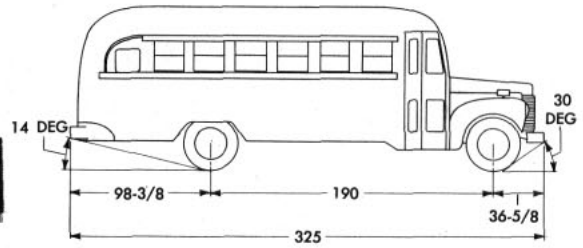
Manufacturer: GMC	Model 270
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 269.5
Bore	(in.) 3 3/4
Stroke	(in.) 4
Compression ratio	6.75:1
Governed speed	(rpm) 3,200
Brake horsepower (max w/std accessories)	106 at (rpm) 3,200
Torque (max w/std accessories)	216 lb-ft at (rpm) 1,100

ADDITIONAL DATA

Transmission, type	synchronesh
Rear axle, type	hypoid, full-floating

BUS, 29-PASSENGER, 4 x 2

(International Harvester, Model L-163)



NOTE:
ALL DIMENSIONS
SHOWN ARE IN
INCHES

RA PD 137755

Classification: Nonclassified.

Purpose: To transport personnel.

GENERAL DATA

Crew	1; Passengers (including crew) 30
Weight (lb)	Net 10,500; Payload 5,000; Gross 15,500
Rear-axle gear ratio	6.666:1
Axle load (lb):	
Empty.....	front 3,495; rear 7,005
Loaded.....	front 4,145; rear 11,355
Tires:	
Ply 10.....	Size 8.25 x 20; Pressure (psi) 65
Tread, center-to-center, front.....	(in.) 63
Shipping dimensions, uncrated	(cu ft) 1,980; (sq ft) 217
Vehicle dimensions:	
Ground clearance.....	(in.) 10 3/16
Step height.....	(in.) 15
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 30
Cooling system.....	(qt) 17 1/2
Crankcase, refill.....	(qt) 7
Transmission.....	(qt) 4
Rear axle.....	(qt) 4
Brakes:	
Manufacturer; Wagner.....	Type; hydraulic
Parking brake, type.....	transmission
Transmission forward speeds	4
Gear ratio: High 1:1.....	Low 6.4:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 27
Turning radius	(ft) 32 3/4
Fording depth	(in.) 24
Fuel consumption, loaded	(mpg) 5
Cruising range, loaded	(mi) 150
Allowable speed, governed	(mph) 55

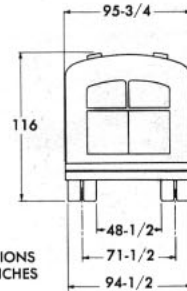
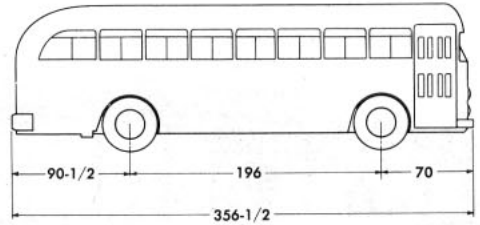
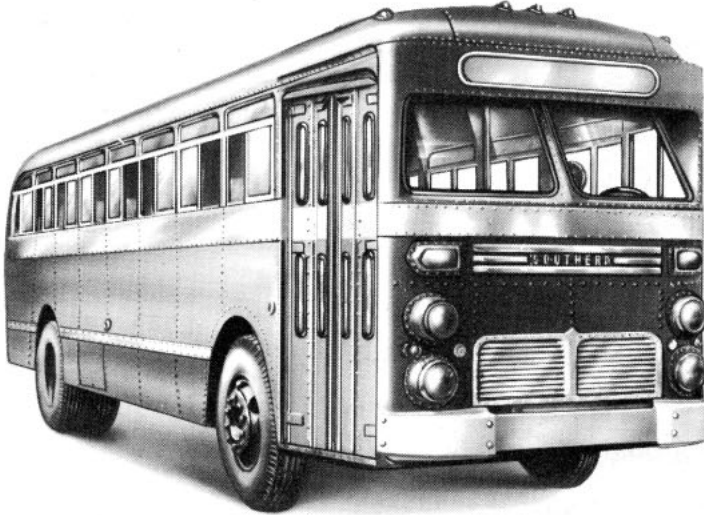
ENGINE

Manufacturer: International Harvester.....	Model SD-240
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 240.3
Bore	(in.) 3 9/16
Stroke	(in.) 4 1/4
Compression ratio	6.5:1
Governed speed	(rpm) 3,400
Brake horsepower (max w/std accessories)	93 at (rpm) 3,400
Torque (max)	186 lb ft at (rpm) 1,100

ADDITIONAL DATA

Transmission, type	synchronesh
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BUS, 37-PASSENGER, 4 x 2 (Southern Coach, Model S-36-M)



NOTE: ALL DIMENSIONS
SHOWN ARE IN INCHES

RA PD 137754

Classification: Nonclassified.

Purpose: To transport personnel.

GENERAL DATA

Crew	1; Passengers (including crew) 38
Weight (lb)	Net 15,825; Payload 6,610; Gross 22,435
Rear-axle gear ratio	5:28:1
Axle load (lb):	
Empty.....	front, 6905; rear 8,920
Loaded.....	front 9,400; rear 13,035
Tires:	
Ply 12.....	Size 10:10 x 20; Pressure (psi) 70
Tread, center-to-center, front.....	(in.) 80¼
Shipping dimensions, uncrated	(cu ft) 2,300; (sq ft) 238
Vehicle dimensions:	
Ground clearance.....	(in.) 13
Step height, empty.....	(in.) 17½
Electrical system	(volts) 12
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating	75
Capacities:	
Fuel.....	(gal) 75
Cooling system.....	(qt) 64
Crankcase, refill.....	(qt) 13
Transmission.....	(qt) 11½
Rear axle.....	(qt) 11½
Brakes:	
Manufacturer; Timken.....	Type; air
Parking brake, type.....	transmission
Transmission forward speeds	4
Gear ratio.....	High 1:1; Low 4.67:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 24
Turning radius	(ft) 34
Fording depth	(in.) 12
Fuel consumption, loaded	(mpg) 5
Cruising range, loaded	(mi) 375
Allowable speed, governed	(mph) 60

ENGINE

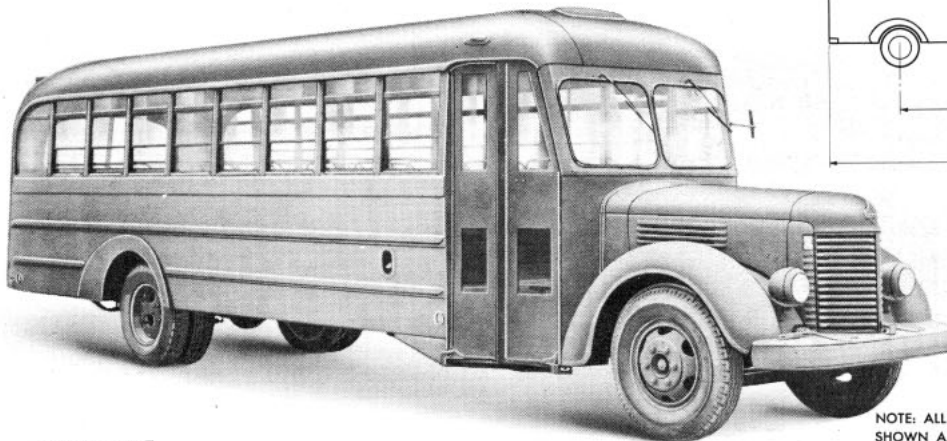
Manufacturer: Waukesha.....	Model 140-GKB-33
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 525
Bore	(in.) 4½
Stroke	(in.) 5½
Compression ratio	6.4:1
Governed speed	(rpm) 2,700
Brake horsepower (max w/std accessories)	173 at (rpm) 2,700
Torque (max w/std accessories)	425 lb-ft at (rpm) 800

ADDITIONAL DATA

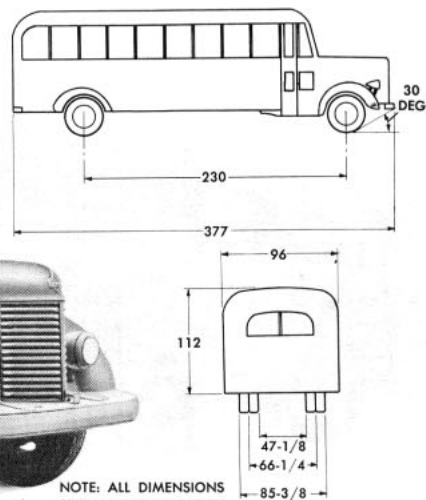
Transmission, type	synchromesh
Rear axle, type	spiral-bevel, full-floating

BUS, 37-PASSENGER, 2½-TON, 4 x 2

(International Harvester, Models K7 and KS7 w/two-speed axle)



RA PD 137757



NOTE: ALL DIMENSIONS
SHOWN ARE IN INCHES

Technical Manuals: 9-822; 9-1822; 9-1825A; 9-1826C; 9-1827B; 9-1827C; 9-1828A; Supply Catalog: SNL G-541.

Classification: Nonclassified.

Purpose: To transport personnel.

GENERAL DATA

Crew	1; Passengers (including crew) 38
Weight (lb)	Net 12,387; Payload 6,650; Gross 19,037
Rear-axle gear ratio:	
K7	7.16:1
KS7	High 6.143:1; Low 8.52:1
Axle load (lb):	
Empty	front 4,581; rear 7,806
Loaded	front 5,587; rear 13,450
Tires:	
Ply 10; Size 8.25 x 20; Pressure	(psi) 60
Tread, center-to-center, front	(in.) 65¾
Shipping dimensions, uncrated	(cu ft) 2,346; (sq ft) 252
Ground clearance	(in.) 9¾
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 31
Cooling system	(qt) 20½
Crankcase, refill	(qt) 7
Transmission	(qt) 4¾
Rear axle	(qt) 3½
Brakes:	
Manufacturer; Wagner	Type; hydraulic
Parking brake, type	transmission
Transmission forward speeds	5
Gear ratio	High 0.823:1; Fourth 1:1; Low 6.525:1

PERFORMANCE

Computed grade ability in lowest gear, loaded (percent)	K7, 29; KS7, 34
Turning radius	(ft) 37½
Fording depth	(in.) 30
Fuel consumption, loaded	(mpg) 8
Cruising range, loaded	(mi) 248
Allowable speed, governed	(mph) 45

ENGINE

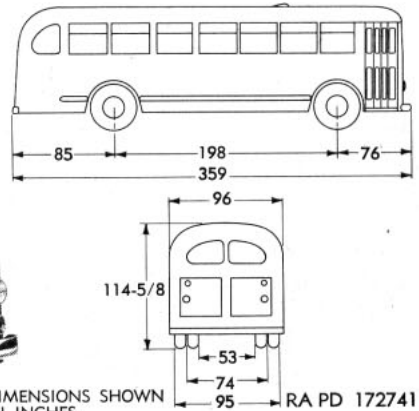
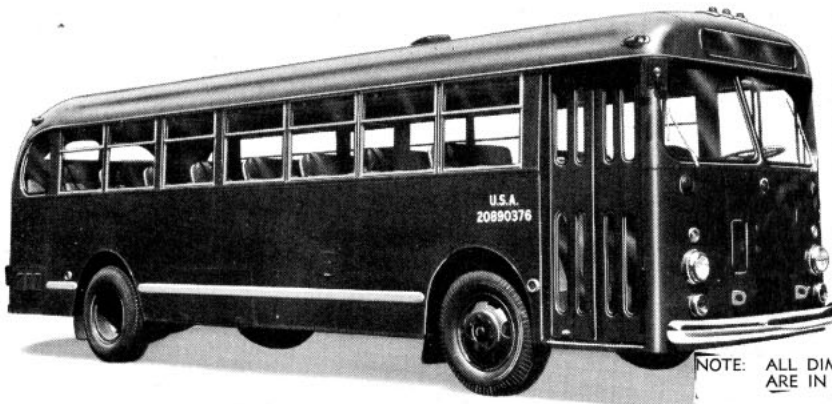
Manufacturer: International Harvester	Model, BLD-269
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 269.1
Bore	(in.) 3¾
Stroke	(in.) 4½
Compression ratio	6.3:1
Governed speed	(rpm) 2,500
Brake horsepower (max w/std accessories)	87.5 at (rpm) 2,500
Torque (max)	216.5 lb-ft at (rpm) 1,000

ADDITIONAL DATA

Transmission, type	sliding-gear
Rear axle, type:	
K7	spiral-bevel, full-floating
KS7	two-speed spiral-bevel, full-floating

BUS, INTEGRAL, 37-PASSENGER, 4 x 2

(ACF-Brill, Model C-37)



Classification: Nonclassified.

Purpose: To transport personnel.

GENERAL DATA

Crew	1; Passengers (including crew) 38
Weight (lb)	Net 14,000
Payload.....	8,700
Gross.....	22,700
Rear-axle gear ratio	5.286:1
Axle load (lb):	
Empty.....	front 4,730; rear 9,270
Loaded.....	front 8,100; rear 14,600
Tires:	
Ply 10.....	Size 9.00 x 20; Pressure (psi) 65
Tread, center-to-center, front.....	(in.) 81¼
Shipping dimensions, uncrated	(cu ft) 2,290; (sq ft) 239
Vehicle dimensions:	
Ground clearance.....	(in.) 10
Step height, empty.....	(in.) 16
Electrical system	(volts) 12
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 75
Cooling system (qt).....	w/heater 36
Crankcase, refill.....	(qt) 10
Transmission.....	(qt) 4
Rear axle.....	(qt) 6½
Brakes:	
Manufacturer; Bendix-Westinghouse.....	Type; air
Parking brake, type.....	transmission
Transmission for ward speeds	3
Gear ratio.....	High 1.04:1; Low 4.06:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 17
Turning radius (ft)	Right 37; Left 36
Fording depth	(in.) 20
Fuel consumption, loaded	(mpg) 4
Cruising range, loaded	(mi) 300
Allowable speed, governed	(mph) 60

ENGINE

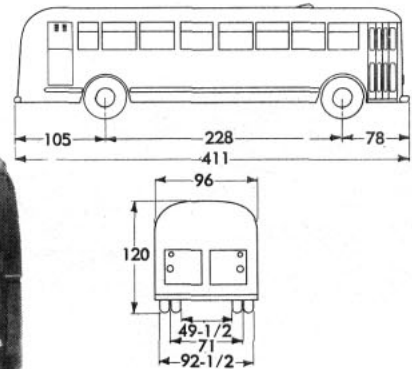
Manufacturer: International.....	Model RD-450
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 450
Bore	(in.) 4¾
Stroke	(in.) 5
Compression ratio	6.3:1
Governed speed	(rpm) 2,600
Brake horsepower (max w/std accessories)	146 at (rpm) 2,600
Torque (max w/std accessories)	354 lb-ft at (rpm) 1,000

ADDITIONAL DATA

Live axle, type	full-floating, spiral-bevel
Transmission, type	synchromesh

BUS, INTEGRAL, 37-PASSENGER, 4 x 2

(ACF-Brill, Model 37RC)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172703

Classification: Nonclassified.

Purpose: To transport personnel.

GENERAL DATA

Crew	1; Passengers (including crew) 38
Weight (lb)	Net 16,300
Payload.....	8,700
Gross.....	25,000
Rear-axle gear ratio	5.286:1
Axle load (lb):	
Empty.....	front 5,000; rear 11,300
Loaded.....	front 8,500; rear 16,500
Tires:	
Ply 12.....	Size 10.00 x 20; Pressure (psi) 70
Tread, center-to-center, front.....	(in.) 79½
Shipping dimensions, uncrated	(cu ft) 2,740; (sq ft) 274
Vehicle dimensions:	
Ground clearance.....	(in.) 10
Step height, empty.....	(in.) 16
Electrical system	(volts) 12
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 75
Cooling system (qt).....	w/heater 36
Crankcase, refill.....	(qt) 10
Transmission.....	(qt) 6
Rear axle.....	(qt) 11½
Brakes:	
Manufacturer; Bendix-Westinghouse.....	Type; air
Parking brake, type.....	transmission
Transmission forward speeds	4
Gear ratio.....	High 0.96:1; low 4.44:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 20
Turning radius	(ft) 41
Fording depth	(in.) 20
Fuel consumption, loaded	(mpg) 4
Cruising range, loaded	(mi) 300
Allowable speed, governed	(mph) 60

ENGINE

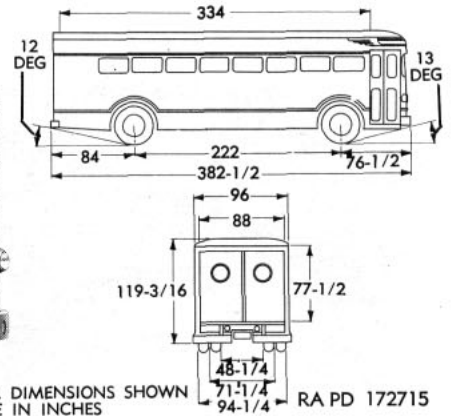
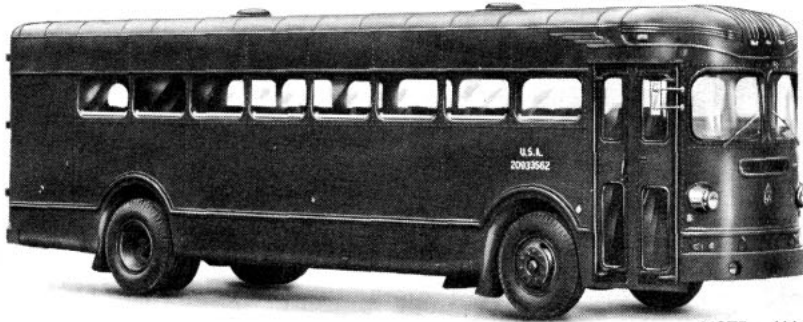
Manufacturer: Hercules.....	Model TDXC
Type	4-cycle, L-head; No. of cylinders (in line) 6
Displacement	(cu in.) 501
Bore	(in.) 4½
Stroke	(in.) 5¼
Compression ratio	6.5:1
Governed speed	(rpm) 2,630
Brake horsepower, gross	173 at (rpm) 2,800
Torque, maximum, gross	388 at (rpm) 1,425

ADDITIONAL DATA

Rear axle, type	spiral-bevel, full-floating
Transmission, type	synchromesh

BUS, INTEGRAL, 37-PASSENGER, 4 x 2

(Twin Coach, Utility Convertible, Model F32F)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Classification: Nonclassified.

Purpose: To transport personnel; convertible to cargo carrier or ambulance.

GENERAL DATA

Crew	1; Passengers (including crew) 37
Weight (lb)	Net 14,620
Payload.....	9,700
Gross.....	24,320
Rear-axle gear ratio	4.857:1
Axle load (lb):	
Empty.....	front 6,150; rear 8,470
Loaded.....	front 9,630; rear 14,690
Tires:	
Ply 12.....	Size 10.00 x 20; Pressure (psi) front 70; rear 50
Tread, center-to-center, front.....	(in.) 79 3/4
Shipping dimensions, uncrated	(cu ft) 2,715; (sq ft) 261
Vehicle dimensions:	
Ground clearance.....	(in.) 10
Loading height, empty.....	(in.) 40
Step height, empty.....	(in.) 16
Electrical system	(volts) 12
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 8 1/2
Cooling system (gal).....	w/o heater 9 3/4; w/heater 11
Crankcase, refill.....	(qt) 12
Transmission.....	(qt) 6
Rear axle.....	(qt) 8
Brakes:	
Manufacturer; Eaton.....	Type; air
Parking brake, type.....	transmission
Transmission forward speeds	4
Gear ratio.....	High 1:1; Low 4.88:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 17
Turning radius	(ft) 75 1/2
Fording depth	(in.) 16
Fuel consumption, loaded	(mpg) 6
Cruising range, loaded	(mi) 480
Allowable speed, governed	(mph) 60

ENGINE

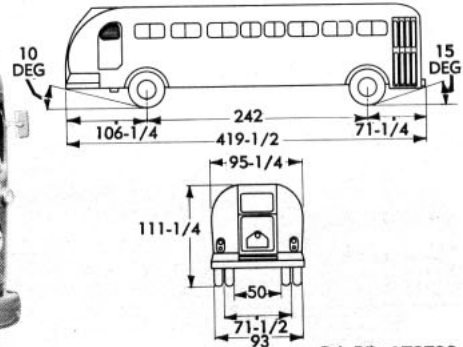
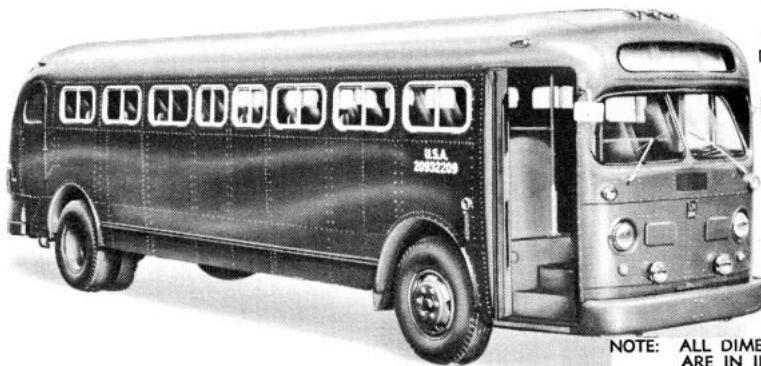
Manufacturer: Fageol.....	Model FTC 210-21
Type	4-cycle, valve-in-head
No. of cylinders	(horizontal, in line) 6
Displacement	(cu in.) 477
Bore	(in.) 4 1/2
Stroke	(in.) 5
Compression ratio	7.1:1
Governed speed	(rpm) 2,800
Brake horsepower (max w/std accessories)	210 at (rpm) 2,800
Torque (max w/std accessories)	480 lb-ft at (rpm) 1,600

ADDITIONAL DATA

Engine radiator coolant filler neck extends 1 inch beyond over-all width.	
Seats are removable. Vehicle can be converted to an ambulance.	
Rear axle, type	hypoid, full-floating
Transmission, type	constant-mesh

BUS, INTEGRAL, 2½-TON, 4 x 2

(GMC Model PGA 3301)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172739

Classification: Nonclassified.

Purpose: To transport personnel.

GENERAL DATA

Crew	1; Passengers (including crew) 38
Weight (lb)	Net 15,190
Payload	8,700
Gross	23,890
Rear-axle gear ratio	5.286:1
Axle load (lb):	
Empty	front 4,590; rear 10,600
Loaded	front 7,730; rear 16,160
Tires:	
Ply 12	Size 10.00 x 20; Pressure (psi) 70
Tread, center-to-center, front	(in.) 80½
Shipping dimensions, uncrated	(cu ft) 2,550; (sq ft) 277
Vehicle dimensions:	
Ground clearance	(in.) 10
Step height, empty	(in.) 17½
Electrical system	(volts) 12
No. of batteries	1
Type of ground	positive
Fuel octane rating	72
Capacities:	
Fuel	(gal) 75
Cooling system (qt)	w/o heater 16½; w/heater 30
Crankcase, refill	(qt) 9
Transmission	(qt) 6
Rear axle	(qt) 11½
Brakes:	
Manufacturer; Bendix-Westinghouse	Type; air
Parking brake, type	transmission
Transmission forward speeds	4
Gear ratio	High 1:1; Low 4.88:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 22
Turning radius	(ft) 43½
Fording depth	(in.) 20
Fuel consumption, loaded	(mpg) 4
Cruising range, loaded	(mi) 300
Allowable speed, governed	(mph) 62

ENGINE

Manufacturer: GMC	Model 503
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 502.7
Bore	(in.) 4¾
Stroke	(in.) 5¾
Compression ratio	6.5:1
Governed speed	(rpm) 2,800
Brake horsepower (max w/std accessories)	175 at (rpm) 2,800
Torque (max w/std accessories)	412 lb-ft at (rpm) 1,200

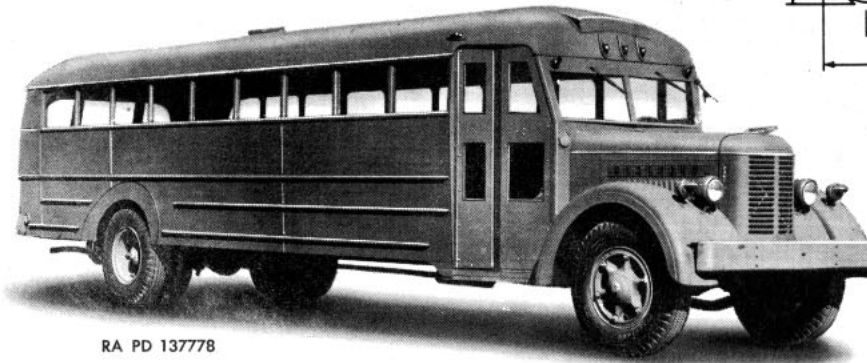
ADDITIONAL DATA

Rear axle, type	hypoid, full-floating
Transmission, type	constant-mesh

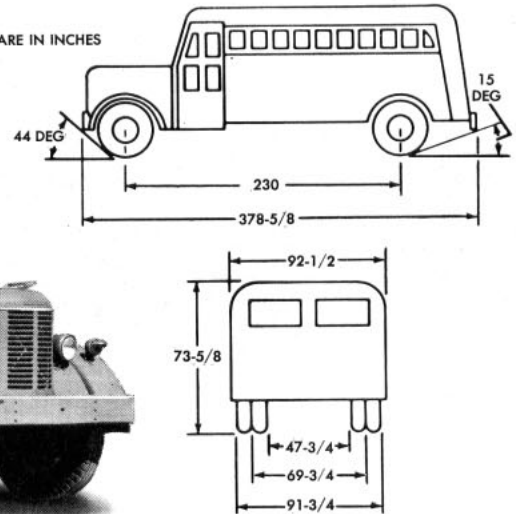
BUS, 37-PASSENGER, 5- TO 6-TON, 4 x 2

(Mack, Model EH)

NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES



RA PD 137778



Technical Manual: 10-1681

Classification: Nonclassified.

Purpose: To transport personnel.

GENERAL DATA

Crew	1; Passengers (including crew) 38
Weight (lb)	Net 14,900; Payload 10,500; Gross 25,400
Rear-axle gear ratio	8.59:1
Axle load (lb):	
Empty.....	front 8,050; rear 6,850
Loaded.....	front 8,290; rear 17,110
Tires:	
Ply 12.....	Size 10.00 x 20; Pressure (psi) 70
Tread, center-to-center, front.....	(in.) 69 1/2
Shipping dimensions, uncrated	(cu ft) 1,500; (sq ft) 243
Ground clearance	(in.) 10
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	70
Capacities:	
Fuel.....	(gal) 50
Cooling system.....	(qt) 31
Crankcase, refill.....	(qt) 11
Transmission.....	(qt) 10 1/4
Rear axle.....	(qt) 14
Brakes:	
Manufacturer; Bendix-Westinghouse.....	Type; air
Parking brake, type.....	transmission
Transmission forward speeds	5
Gear ratio.....	High 1 : 1; Fourth 1.45 : 1; Low 8.05 : 1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 28
Turning radius	(ft) 42
Fording depth	(in.) 45
Fuel consumption, loaded	(mpg) 5.5
Cruising range, loaded	(mi) 275
Allowable speed, governed	(mph) 35

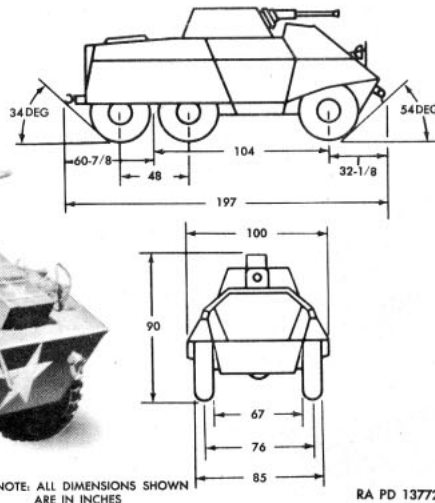
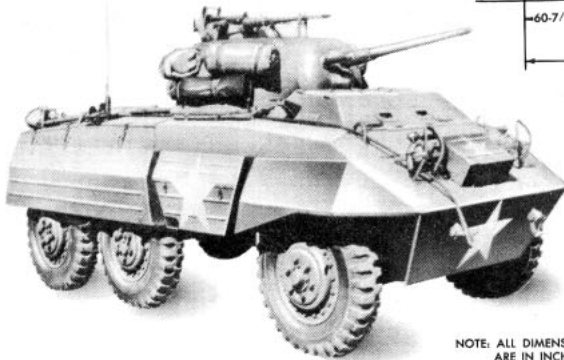
ENGINE

Manufacturer; Mack.....	Model EN 354
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 354
Bore	(in.) 3 3/4
Stroke	(in.) 5
Compression ratio	5.5:1
Governed speed	(rpm) 2,620
Brake horsepower (max w/std accessories)	110 at (rpm) 2,620
Torque (max)	255 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Transmission, type	synchromesh
Rear axle, type	double-reduction, full-floating

CAR, ARMORED, LIGHT, M8



Technical Manuals: 9-743, 9-1743, 9-1825B, 9-1826C, 9-1827C, 9-1928A, 9-1832A; Supply Catalog: SNL G-136.

Classification: Limited Standard.

Armament: 1 gun, 37-mm, M6; 1 gun, machine cal. .30, M1919A4 (flexible), mounted coaxially; 1 gun, machine cal. .50; M2, heavy barrel (flexible), pedestal mounted on top of turret.

Ammunition: 80 rounds, 37-mm for vehicles having 64-round ammunition racks, 50 rounds for vehicles having 34-round racks; 400 rounds, cal. .30 for carbine M1; 1,575 rounds, cal. .30 (machine gun); 420 rounds cal. .50; 12 hand grenades; 4 pots, smoke, M1 or M2; 6 mines, antitank, w/fuze; 15 signal ground (assorted).

Fire Control and Vision Devices: Telescope, M70D (sight).

Communications: (SCR-506 or SCR-193T or AN/GRC-9) or (SCR-506 or SCR-193T or SCR-608B or RC-99); or (SCR-506 or SCR-193T or AN/GRC-9 or SCR-694C) and SCR-619 or SCR-610) and (RC-99; or SCR-619 or SCR-610) and (RC-99).

GENERAL DATA

Crew	4
Weight (lb)	Net 14,500; Payload 2,700; Gross 17,200
Axle gear ratio	6.66:1
Axle load (lb):	
Empty	front 5,010; rear (each) 4,745
Loaded	front 6,360; rear (each) 5,420
Tires:	
Ply 12; Size 9.00 x 20; Pressure (psi)	front 60; rear 50
Tread, center-to-center, front	(in.) 76
Vehicle dimensions:	
Ground clearance	(in.) 11½
Pintle height	(in.) 26
Shipping dimensions, uncrated	(cu ft) 1,030; (sq ft) 137
Electrical system	(volts) 12
No. of batteries	1
Type of ground	negative
Fuel octane rating	72

Purpose: To provide high-speed mobility, defense fire-power and crew protection for reconnaissance.

GENERAL DATA—Continued

Capacities:	
Fuel	(gal) 54
Cooling system	(qt) 23½
Crankcase, refill	(qt) 7
Transfer	(qt) 2¼
Transmission	(qt) 4½
Axles (qt)	front 2¾; rear (each) 2¼
Brakes:	
Manufacturer: Bendix	Type; hydrovac
Parking brake, type	transfer
Transmission forward speeds	4
Gear ratio	High 1:1; Low 6.499:1
Transfer speeds	2
Gear ratio	High 1:1; Low 1.956:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 60
Turning radius	(ft) 28
Fording depth	(in.) 32
Fuel consumption, loaded	(mpg) 5
Cruising range, loaded	(mi) 250
Allowable speed, recommended	(mph) 56

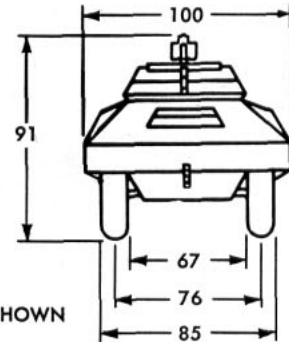
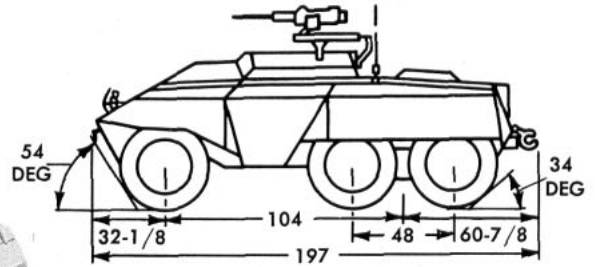
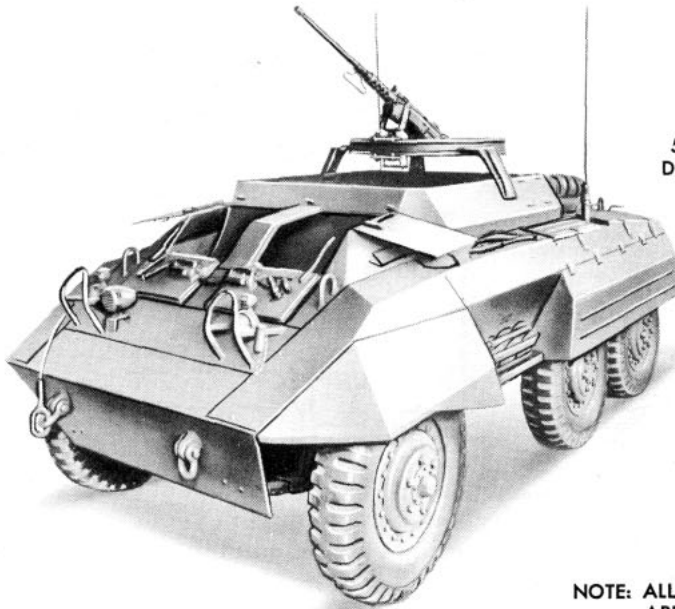
ENGINE

Manufacturer: Hercules	Model JXD
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 320
Bore	(in.) 4
Stroke	(in.) 4¼
Governed speed	not governed
Compression ratio	6.5:1
Brake horsepower (max w/std accessories)	86 at (rpm) 2,800
Torque (max)	200 lb-ft at (rpm) 1,150

ADDITIONAL DATA

Transmission, type	sliding-gear
Rear axle, type	spiral-bevel, full-floating

CAR, ARMORED, UTILITY, M20



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137749

Technical Manuals: 9-743, 9-1743, 9-1825B, 9-1826C, 9-1827C, 9-1828A, 9-1832A; Supply Catalog: SNL G-176.

Classification: Standard.

Ammunition: One gun, machine, cal. .50, M2, heavy barrel (flexible) ring mounted.

GENERAL DATA

Crew	6
Weight (lb)	Net 12,250; Payload 3,400; Gross 15,650
Axle gear ratio	6.66:1
Axle load (lb):	
Empty.....	front 3,900; rear (each) 4,175
Loaded.....	front 5,600; rear (each) 5,025
Tires (combat):	
Ply 12; Size 9.00 x 20; Pressure (psi).....	front 60; rear 50
Tread, center-to-center, front.....	(in.) 76
Shipping dimensions, uncrated	(cu ft) 1,038; (sq ft) 137
Vehicle dimensions:	
Ground clearance.....	(in.) 11 1/4
Pintle height.....	(in.) 26
Electrical system	(volts) 12
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 54
Cooling system.....	(qt) 23 1/2
Crankcase, refill.....	(qt) 7
Transfer.....	(qt) 2 1/4
Transmission.....	(qt) 4 1/2
Axles (qt).....	front 2 3/4; rear (each) 2 3/4
Brakes:	
Manufacturer; Bendix.....	Type; hydrovac
Parking brake, type.....	transfer
Transmission for forward speeds	4
Gear ratio.....	High 1:1; Low 6.499:1
Transfer speeds	2
Gear ratio.....	High 1:1; Low 1.956:1

Ammunition: 500 rounds cal. .30 for carbine M1; 1,050 rounds cal. .50; 12 hand grenades; 4 pots, smoke; 3 mines, antitank w/fuze; 10 rockets for launcher, rocket, 2.36-in., M9A1; 36 signal, ground (assorted).

Communications: (SCR-506 or AN/GRC-9 or SCR-694C) and (SCR-506 or SCR-608 or SCR-510 or SCR-619 or SCR-610); or (AN/VRC-3); or (AN/GRC-3, -4, -5, -6, -7, or -8) and (SCR-506).

Purpose: To provide a highly mobile armored personnel and cargo carrier or field commander's car.

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 60
Turning radius	(ft) 28
Fording depth	(in.) 32
Fuel consumption, loaded	(mpg) 5
Cruising range, loaded	(mi) 250
Allowable speed, recommended	(mph) 56

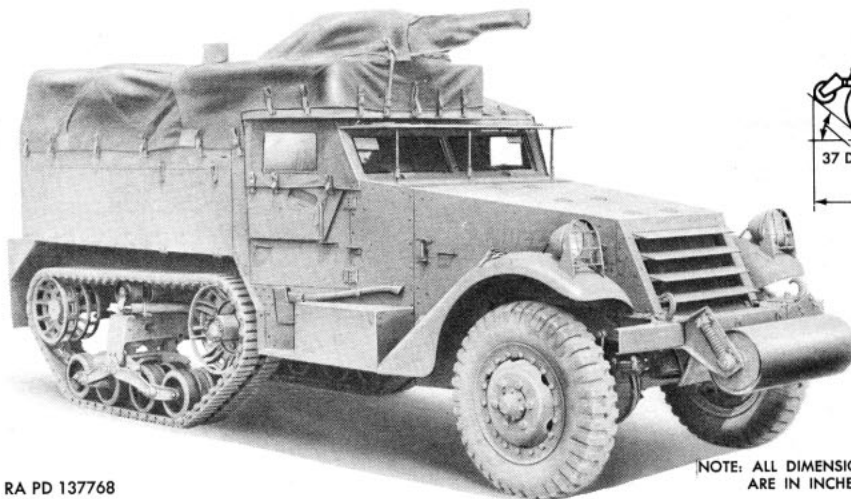
ENGINE

Manufacturer: Hercules.....	Model JXD
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 320
Bore	(in.) 4
Stroke	(in.) 4 1/4
Compression ratio	6.5:1
Governed speed	not governed
Brake horsepower (max w/std accessories)86 at (rpm) 2,800
Torque (max)	200 lb-ft at (rpm) 1,150

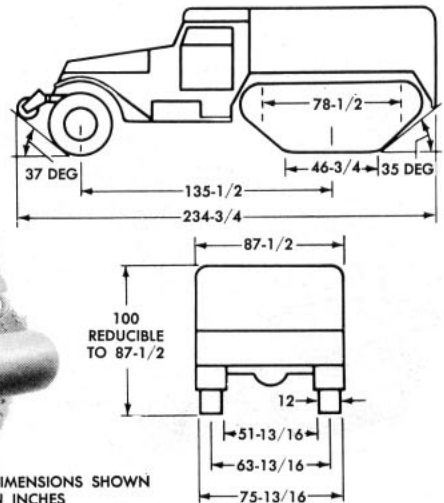
ADDITIONAL DATA

Transmission, type	sliding-gear
Rear axle, type	spiral-bevel, full-floating

CAR, HALF-TRACK, M2A1



RA PD 137768



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Technical Manuals: 9-710, 9-1710, 9-1710C, 9-1711, 9-1825A, 9-1826B, 9-1828A; Supply Catalog: SNL G-102.

Classification: Limited Standard.

Armament: 1 gun, machine, cal. .50, M2, heavy barrel (flexible) ring mounted on front of driver's compartment; 1 gun, machine, cal. .30, M1919A4 (flexible) pintle mounted on right side or rear of body.

Ammunition 700 rounds, cal. .50; 7,750 rounds, cal. .30; 540 rounds, cal. .45 for submachine gun; 10 hand grenades; 14 mines, antitank w/fuze.

Communications: (SCR-508 or SCR-528).

Purpose: To transport cargo and personnel in combat zone.

GENERAL DATA

Crew	10
Weight (lb)	Net 14,600; Payload 5,000; Gross 19,600
Front-axle gear ratio	6.8:1
Rear-axle (jackshaft) gear ratio	4.44:1
Axle load (lb):	
Empty	front 5,250; rear (each track) 4,675
Loaded	front 7,100; rear (each track) 6,250
Tires: (combat):	
Ply 12	Size 8.25 x 20; Pressure (psi) 55
Tread, center-to-center, front	(in.) 63 3/4
Track ground pressure (loaded)	(psi) 11
Shipping dimensions, uncrated	(cu ft) 1,191; (sq ft) 143
Vehicle dimensions:	
Ground clearance	(in.) 11 3/4
Pintle height (loaded)	(in.) 28
Electrical system	(volts) 12
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 60
Cooling system	(qt) 26
Crankcase, refill	(qt) 10 1/2
Transfer and transmission (qt) 7 1/2	PTO 8
Axles (qt)	front 3 1/2; rear 6
Winch:	
Load capacity	(lb) 10,000
Oil capacity	(qt) 2
Brakes: Manufacturer; Bendix	Type; hydrovac
Parking brake, type	transfer
Transmission forward speeds	4
Gear ratio	High 1:1; Low 4.92:1
Transfer speeds	2
Gear ratio	High 1:1; Low 2.48:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 60
Turning radius	(ft) 29 1/2
Fording depth	(in.) 32
Fuel consumption, loaded	(mpg) 3 1/2
Cruising range, loaded	(mi) 210
Allowable speed, recommended	(mph) 45
Maximum recommended towed load, gross	off highway (lb) 4,500

ENGINE

Manufacturer: White	Model 160AX
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 386
Bore	(in.) 4
Stroke	(in.) 5 1/2
Compression ratio	6.44:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	127 at (rpm) 3,000
Torque (max)	325 lb-ft at (rpm) 1,200

ADDITIONAL DATA

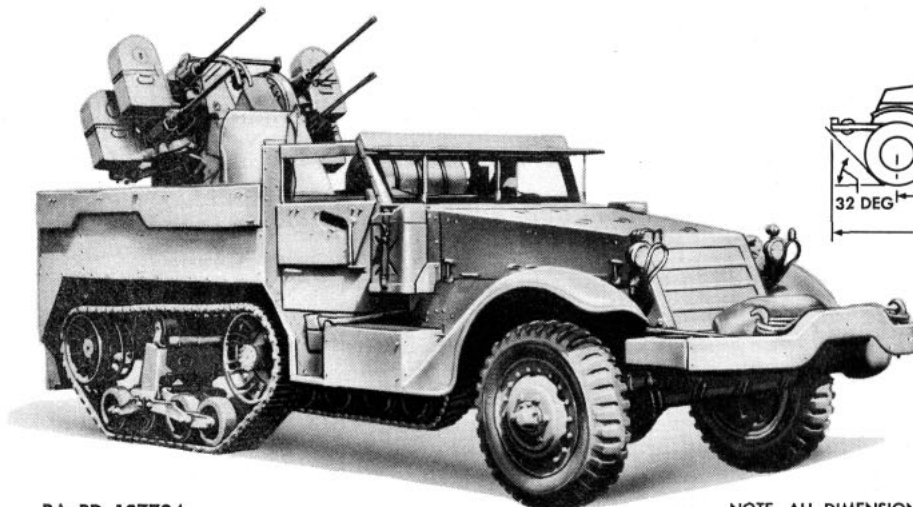
Data given for vehicle w/o winch and w/front roller. For vehicle w/winch and w/o front roller, changes in data are as follows: Weight (lb): Net 15,100; Payload 4,500. Axle load (lb): Empty, front 5,587, rear (each track) 4,757; Loaded, front 7,252, rear (each track) 6,174. Shipping dimensions uncrated: (cu ft) 1,242; (sq ft) 149. Over-all length (in) 241 3/4.

Angle of approach (deg) 33.

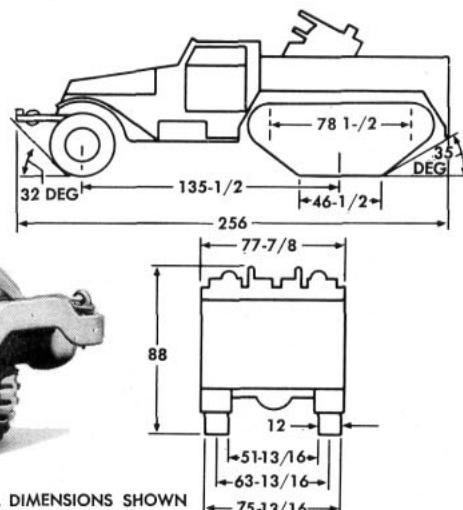
Equipped w/controller for trailer electric brakes.

Transmission, type constant-mesh
Live axles, type spiral-bevel, full-floating

CARRIAGE, MOTOR, MULTIPLE GUN, M16



RA PD 137724



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-710, 9-1710, 9-1710C, 9-1711, 9-1825A, 9-1826B, 9-1828A, 9-1829A; Supply Catalog: S1N L G-102.

Classification: Substitute Standard.

Armament: 4 guns, machine, cal. .50, Browning, M2, heavy barrel, turret type, turret mounted.

Ammunition: 5,000 rounds, cal. .50; 420 rounds, cal. .45 for submachine gun; 26 hand grenades; 10 rifle grenades.

Fire Control and Vision Devices: Sight, reflex, M18, or sight, illuminating, MK 9, Mod 1.

Communications: (SCR-52B) and (SCR-593); or (AN/VAC-13, -14, or -15) and (SCR-593 or AN/GRR-5).

Purpose: To provide mobility for machine guns.

GENERAL DATA

Crew.....	5
Weight (lb).....	Net 18,640; Payload 3,000; Gross 21,640
Front-axle gear ratio.....	6.8:1
Rear-axle (jackshaft) gear ratio.....	4.44:1
Axle load (lb):	
Empty.....	front 7,224; rear (each track) 5,708
Loaded.....	front 7,824; rear (each track) 6,908
Tires (combat):	
Ply 12.....	Size 8.25 x 20; Pressure (psi) 55
Tread, center-to-center, front.....	(in.) 64 1/2
Track ground pressure (loaded).....	(psi) 11.2
Shipping dimensions, uncrated.....	(cu ft) 1,072; (sq ft) 146
Vehicle dimensions:	
Ground clearance.....	(in.) 17 1/4
Pintle height (loaded).....	(in.) 28
Electrical system.....	(volts) 12
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating.....	72
Capacities:	
Fuel.....	(gal) 60
Cooling system.....	(qt) 26
Crankcase, refill.....	(qt) 10 1/2
Transmission and transfer w/PTO.....	(qt) 9
Axles (qt).....	front 3 1/2; rear 6
Winch:	
Load capacity.....	(lb) 10,000
Oil capacity.....	(qt) 2
Brakes:	
Manufacturer; Bendix.....	Type; hydrovac
Parking brake, type.....	transfer
Transmission forward speeds.....	4
Gear ratio.....	High 1:1; Low 4.92:1
Transfer speeds.....	2
Gear ratio.....	High 1:1; Low 2.48:1

PERFORMANCE

Maximum grade ability.....	(percent) 60
Turning radius.....	(ft) 30
Fording depth.....	(in.) 32
Fuel consumption, loaded.....	(mpg) 3 1/2
Cruising range, loaded.....	(mi) 210
Allowable speed, recommended.....	(mph) 45
Maximum recommended towed load, gross, off highway.....	(lb) 4,500

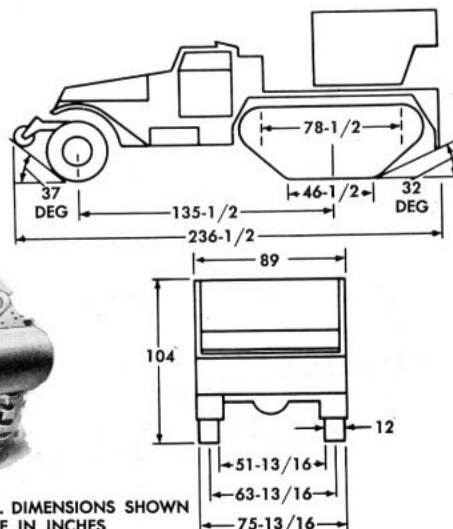
ENGINE

Manufacturer: White.....	Model 160AX
Type.....	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement.....	(cu in.) 386
Bore.....	(in.) 4
Stroke.....	(in.) 5 1/2
Compression ratio.....	6.44:1
Governed speed.....	not governed
Brake horsepower (max w/std accessories).....	127 at (rpm) 3,000
Torque (max w/std accessories).....	325 lb-ft at (rpm) 1,300

ADDITIONAL DATA

Equipped w/controller for trailer electric brakes.	
Live axles, type.....	spiral-bebel, full-floating
Transmission, type.....	constant mesh

CARRIAGE, MOTOR, COMBINATION GUN, M15A1



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137769

Technical Manuals: 9-710, 9-1710, 9-1710C, 9-1711, 9-1825A, 9-1826B, 9-1828A, 9-1829A; Supply Catalog: SNL G-102.

Classification: Limited Standard.

Armament: 1 gun, automatic, 37-mm, M1A2, turret mounted; 2 guns, machine, cal. .50, Browning, M2, heavy barrel, mounted coaxially.

Ammunition: 200 rounds, 37-mm; 1,200 rounds, cal. .50.

Fire Control and Vision Devices: Sight, computing, M14.

Communications: (SCR-528).

Purpose: To provide a highly mobile antiaircraft weapon.

GENERAL DATA

Crew	7
Weight (lb)	Net 18,385; Payload 2,415; Gross 20,800
Front-axle gear ratio	6.8:1
Rear-axle (jackshaft) gear ratio	4.44:1
Axle load (lb):	
Empty	front 5,760; rear (each track) 6,313
Loaded	front 7,624; rear (each track) 6,588
Tires (combat):	
Ply 12; Size 8.25 x 20; Pressure	(psi) 55
Tread, center-to-center front	(in.) 63 13/16
Track ground pressure (loaded)	(psi) 11.6
Shipping dimensions, uncrated	(cu ft) 1,400; (sq ft) 162
Vehicle dimensions:	
Ground clearance	(in.) 17 1/4
Pintle height (loaded)	(in.) 28
Electrical system	(volts) 12
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 60
Cooling system	(qt) 26
Crankcase, refill	(qt) 10 1/2
Transfer and transmission	(qt) 7 1/2
Axles (qt)	front 3 1/2; rear 6
Brakes:	
Manufacturer; Bendix	Type; hydrovac
Parking brake, type	transfer
Transmission for forward speeds	4
Gear ratio	High 1:1; Low 4.92:1
Transfer speeds	2
Gear ratio	High 1:1; Low 2.48:1

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 29 1/2
Fording depth	(in.) 32
Fuel consumption, loaded	(mpg) 3 1/2
Cruising range, loaded	(mi) 210
Allowable speed, recommended	(mph) 40
Maximum recommended towed load, gross, off highway	(lb) 4,500

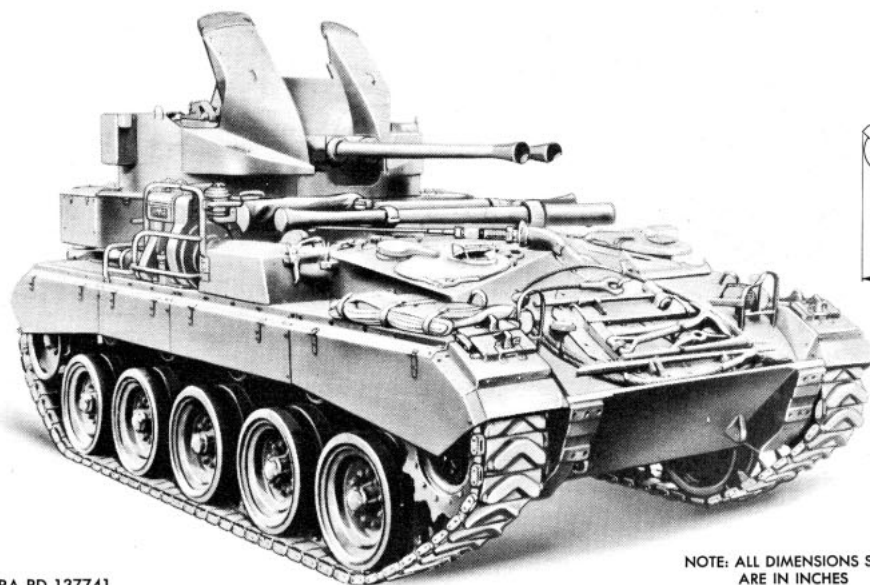
ENGINE

Manufacturer: White	Model 160AX
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 386
Bore	(in.) 4
Stroke	(in.) 5 1/4
Compression ratio	6.44:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	127 at (rpm) 3,000
Torque (max)	325 lb-ft at (rpm) 1,200

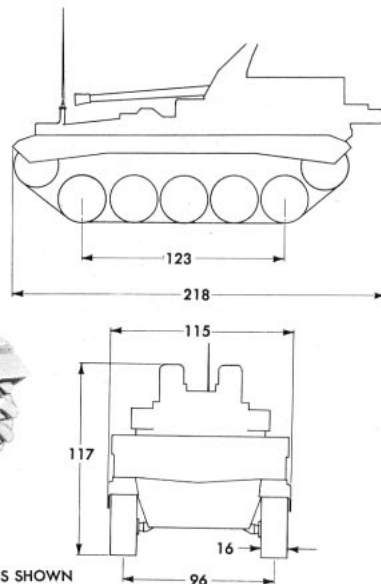
ADDITIONAL DATA

Equipped w/controller for trailer electric brakes.	
Live axles, type	spiral-bevel, full-floating
Transmission, type	constant-mesh

CARRIAGE, MOTOR, TWIN 40-MM GUN, M19A1



RA PD 137741



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-761, 9-1718C, 9-1727K, 9-1729A, 9-1729B, 9-1726C, 9-1731D, 9-1825A, 9-1826A, 9-1828A; Supply Catalog: SNL G-248.

Classification: Standard.

Armament: Gun, dual, automatic, 40-mm, M2, turret mounted.

Ammunition: 350 rounds, 40-mm; 480 rounds, cal. .45, for submachine gun; 900 rounds, cal. .30 for carbines; 10 rifle grenades w/cartridge for carbine; 12 hand grenades.

GENERAL DATA

Crew	6
Weight, fighting	(lb) 41,165
Shipping dimensions, uncrated	(cu ft) 1,705; (sq ft) 175
Ground pressure	(psi) 10.1
Ground clearance	(in.) 16½
Pintle height, unloaded	(in.) 18½
Electrical system	(volts) 24
No. of batteries	(6-volt) 4
Type of ground	negative
Fuel octane rating	70

Capacities:

Fuel	(gal) 110
Cooling system (2 systems)	(each) (qt) 40
Crankcase, refill (each engine)	(qt) 8
Auxiliary-engine crankcase, refill	(qt) 3½
Transmission	(each) (qt) 15
Differential	(qt) 20
Transfer	(qt) 4½
Final drive	(each) (qt) 2
Brakes	mechanical, controlled-differential
Parking brake, type	locking knobs on steering-brake levers
Transmission forward speeds	4
Gear ratio	High 1:1; 3d 1.55:1; Low 3.92:1
Transfer speeds	forward 2; reverse 1
Gear ratio	High 1.03:1; Low 2.34:1; Reverse 2.44:1
Differential-drive gear ratio	2.62:1
Final-drive gear ratio	2.94:1
Hull construction	welded homogeneous armor plate
Armor, Turret	Welded homogeneous armor plate.

Fire Control and Vision Devices: Periscope M13 or M6 (drivers); quadrant, gunner's M1; sight, computing, M13; system, local control, M16A1, or M16.

Communications: (AN/VRC-5) and (SCR-593 or AN/GRR-5); or (AN/VRC-8 or -9) and (AN/UIC-1) and (SCR-593 or AN/GRR-5).

Purpose: To provide a mobile anti-aircraft weapon.

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 50
Fording depth	(in.) 42
Maximum width of ditch vehicle can cross	(in.) 88
Maximum vertical obstacle vehicle can climb	(in.) 32
Fuel consumption (average conditions)	(mpg) ¾
Cruising range (average conditions)	(mi) 85
Allowable speed, recommended	(mph) 30
Maximum allowable towed load, gross	(lb) 10,000

ENGINE

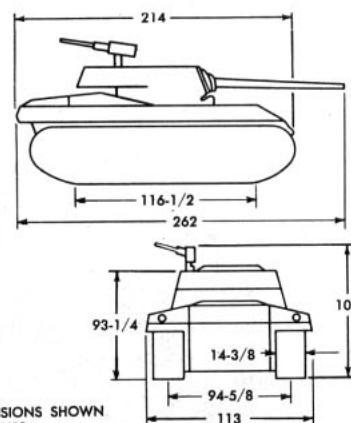
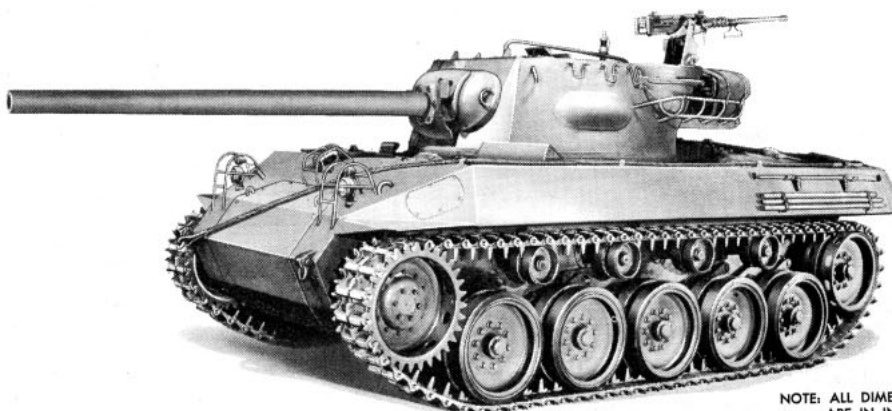
Manufacturer	Cadillac	No. used	2; Model	44T24
Type	L-head, 4-cycle, No. of cylinders	(90-deg V)	8	
Displacement	(cu in.)	349		
Bore	(in.)	3½		
Stroke	(in.)	4½		
Compression ratio		7.06:1		
Governed speed		not governed		
Brake horsepower (max w/std accessories)		110 at (rpm)	3,400	
Torque (max w/std accessories)		240 lb-ft at (rpm)	1,200	
Type of ignition		distributor		

ADDITIONAL DATA

Auxiliary-generator engine Wisconsin Model TFG Manual and power traversing and elevating mechanism.

Data given for vehicle equipped w/track, steel, T72. Track steel T72E1 is interchangeable. Track, rubber, T85E1 also applicable w/changed sprocket.

CARRIAGE, MOTOR, 76-MM GUN, M18



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137739

Technical Manuals: 9-755, 9-1725, 9-1731D, 9-1731G, 9-1731K, 9-1750D, 9-1755A, 9-1755B, 9-1826B, 9-1828A, 9-1829A; Supply Catalog: SNL G-163.

Classification: Standard.

Armament: 1 gun, 76-mm, M1A1C or M1A2, turret mounted; 1 gun, machine, cal. .50, Browning, M2, heavy barrel (flexible mounted on revolving ring on top of turret).

Ammunition: 45 rounds, 76-mm; 840 rounds, cal. .50; 450 rounds, cal. .30, carbine; 12 hand grenades; 4 smoke pots; 18 signals, aircraft.

Purpose: To provide mobility for 76-mm gun and crew protection.

Fire Control and Vision Devices: Periscope, M4A1 w/telescope, M47A2 (vision); periscope, M13, or M13B1, or M6 (vision); quadrant, elevation, M9; quadrant, gunner's M1; telescope, M76C (sight).

Communications: (SCR-619 or SCR-610) and (RC-99); or (SCR-619 or SCR-610) and (RC-99) and (AN/VRC-3).

GENERAL DATA

Crew	5
Weight, fighting	(lb) 37, 557
Over-all length w/gun in traveling position	(in.) 254
Shipping dimensions, uncrated	(cu ft) 1,550; (sq ft) 199
Ground clearance	(in.) 14 3/4
Pintle height, loaded	(in.) 25 1/2
Ground pressure	(psi) 11.9
Electrical system	(volts) 24
No. of batteries	(12-volt) 2
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 170
Transmission and cooler	(qt) 48
Differential and transfer, including cooler	(qt) 20
Final drives	(each) (qt) 5
Engine oil tank	(qt) 48
Brakes	mechanical, controlled-differential
Parking brake, type	pedal for locking steering brakes
Transmission forward speeds	3
Gear ratio	High 1:1; Low 2.286:1
Transfer speeds	1
Gear ratio	1:1
Final-drive gear ratio	2.176:1
Differential-drive gear ratio	3.133:1
Hull construction	welded homogeneous armor plate
Turret construction	casting and plate
Turret race diameter	(in.) 81

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 33
Fording depth	(in.) 48
Maximum width of ditch vehicle can cross	(in.) 74
Maximum vertical obstacle vehicle can climb	(in.) 36
Fuel consumption (average conditions)	(mpg) 0.6
Cruising range (average conditions)	(mi) 105
Allowable speed, governed	(mph) 45
Maximum allowable towed load, gross	(lb) 10,000

ENGINE

Manufacturer	Continental Model R975C4—from serial No. 1351 up
Type	4-cycle, radial, air-cooled; No. of cylinders 9
Displacement	(cu in.) 973
Bore	(in.) 5
Stroke	(in.) 5 1/2
Compression ratio	5.7:1
Governed speed	(rpm) 2,400
Brake horsepower (max w/std accessories)	400 at (rpm) 2,400
Torque (max w/std accessories)	940 lb-ft at (rpm) 1,700
Type of ignition	magneto

ADDITIONAL DATA

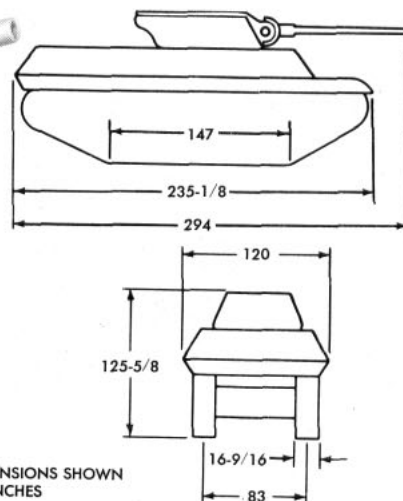
This vehicle from Serial Nos. 1 through 1350 uses Engine Model R975C1; changes in data are as follows:

Brake horsepower (max w/std accessories)	350 at (rpm) 2,400
Torque (max w/std accessories)	840 lb-ft at (rpm) 1,800
Engines R975C1 and R975C4 are interchangeable.	
Data given for vehicle equipped w/track, steel T89. Track, rubber, T85E1, also applicable w/changed sprocket.	
Manual and power turret-traversing mechanism.	
Auxiliary generator	Homelite model HRUH-28

CARRIAGE, MOTOR, 90-MM GUN, M36



RA PD 137737



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-758, 9-1731B, 9-1731D, 9-1731G, 9-1731K, 9-1750A, 9-1750B, 9-1750L, 9-1825A, 9-1825B, 9-1826B, 9-1828A, 9-1829A; **Supply Catalog:** SNL G-210.

Classification: Standard.

Armament: 1 gun, 90-mm, M3, turret mounted; 1 gun, machine, cal. .50, Browning, M2 heavy barrel (flexible), pedestal mounted on top of turret bustle.

Ammunition: 47 rounds, 90-mm; 1,050 rounds, cal. .50; 450 rounds, cal. .30, carbine; 12 hand grenades; 4 smoke pots; 18 signal, pyrotechnic.

Purpose: To provide mobility for 90-mm gun and crew protection in offensive combat.

Fire Control and Vision Devices: Periscope, M13, or M13B1, or M6 (vision); quadrant, elevation, M9; quadrant, gunner's, M1; telescope, M83C or M76F, or M71C; telescope, panoramic, M12 (sight); indicator, azimuth, M18.

Communications: (SCR-619 or SCR-610) and (RC-99); or (SCR-619 or SCR-610) and (RC-99) and (AN/VRC-3).

GENERAL DATA

Crew	5
Weight, fighting	(lb) 61,000
Overall length w/gun in traveling position	(in.) 254
Shipping dimensions, uncrated	(cu ft) 2,200; (sq ft) 240
Ground clearance	(in.) 17 3/4
Pintle height, loaded	(in.) 27 1/4
Ground pressure	(psi) 12.6
Electrical system	(volts) 24
No. of batteries	(12-volt) 2
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 192
Cooling system	(qt) 68
Crankcase, refill	(qt) 32
Transmission, differential, and final drives:	
Three-piece, round-nose	(qt) 152
One-piece, sharp-nose	(qt) 164
Brakes	mechanical, controlled-differential
Parking brake, type	pedal for locking steering brake
Transmission forward speeds	5
Gear ratio	High 0.73:1; Fourth 1:1; Low 7.56:1
Differential-drive gear ratio	3.53:1
Final-drive gear ratio	2.84:1
Hull construction	welded homogeneous armor plate
Armor, Turret	Welded, armor plate.

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 31
Fording depth	(in.) 36
Maximum width of ditch vehicle can cross	(in.) 89
Maximum vertical obstacle vehicle can climb	(in.) 18
Fuel consumption (mpg): Off highway 0.6	On highway 0.8
Cruising range (mi): Off highway 110	On highway 155
Allowable speed, governed	(mpg) 26
Maximum allowable towed load, gross	(lb) 10,000

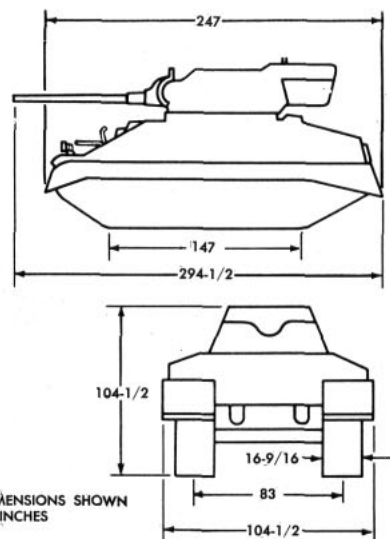
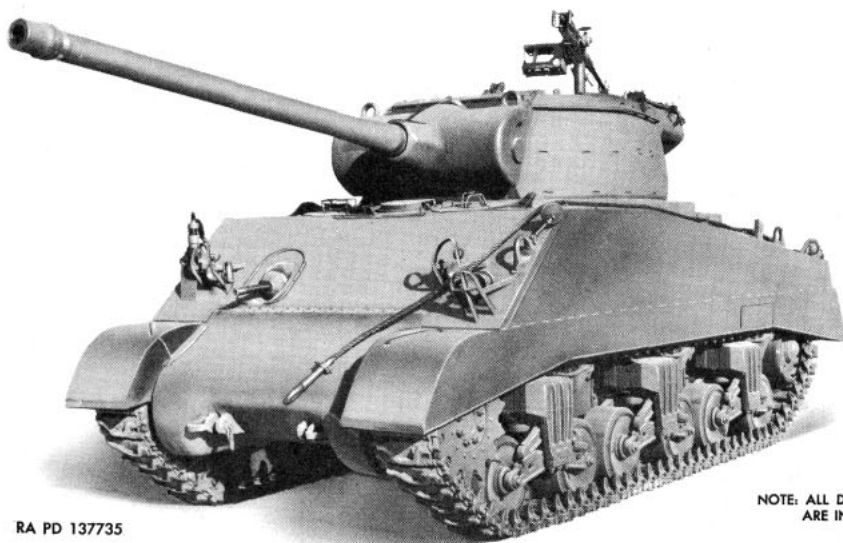
ENGINE

Manufacturer:	Ford	Model	GAA
Type	4-cycle, valve-in-head; No. of cylinders (60-deg V)	8	
Displacement	(cu in.)	1,100	
Bore	(in.)	5.4	
Stroke	(in.)	6	
Governed speed	(rpm)	2,600	
Brake horsepower (max w/std accessories)	450 at (rpm)	2,600	
Torque (max w/std accessories)	950 lb-ft at (rpm)	2,100	
Type of ignition		magneto	

ADDITIONAL DATA

One-piece or three-piece differential housing used on this vehicle.
 Data given w/track, rubber, T51. Track, rubber, T48; tracks, steel T49 and T54E1; track, rubber-backed steel, T74 are interchangeable.
 Manual and power turret-traversing mechanism.
Auxiliary generator: Homelite Model HRUH-28.
 Early models equipped w/hand brake on rear of transmission.

CARRIAGE, MOTOR, 90-MM GUN, M36B1



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137735

Technical Manuals: 9-748, 9-1731B, 9-1731D, 9-1731G, 9-1731K, 9-1750D, 9-1750K, 9-1825A, 9-1825B, 9-1826B, 9-1828A, 9-1829A; Supply Catalog: SNL G-233.

Classification: Substitute Standard.

Armament: 1 gun, 90-mm, M3, turret mounted; 1 gun, machine cal. .50, Browning, M2, heavy barrel (flexible), pedestal mounted on top of turret bustle; 1 gun, machine, cal. .30, Browning, M1919A4, ball mounted at right front of hull.

Ammunition: 47 rounds, 90-mm; 1,000 rounds, cal. .50; 2,000 rounds, cal. .30, machine gun; 450 rounds, cal. .30, carbine; 12 hand grenades; 4 pots, smoke.

Purpose: To provide mobility for 90-mm gun and crew protection in offensive combat.

Fire Control and Vision Devices: Periscope, M13 or M13B1 or M6 (vision); quadrant, elevation, M9; quadrant, gunner's, M1; telescope, M83C or M76F or M71C; telescope panoramic, M12 (sight); azimuthal tumbler M20.

Communications: (SCR-619 or SCR-610) and (RC-99); or (SCR-619 or SCR-610) and (RC-99) and (AN/VRC-3).

GENERAL DATA

Crew	5
Weight, fighting	(lb) 68,000
Shipping dimensions, uncrated	(cu ft) 1,180; (sq ft) 208
Vehicle dimensions:	
Over-all length w/gun in traveling position	(in.) 286
Ground clearance	(in.) 17 1/4
Pintle height, loaded	(in.) 27 1/4
Ground pressure	(psi) 14.1
Electrical system	
No. of batteries	(12-volt) 2
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 168
Cooling system	(qt) 56
Crankcase, refill	(qt) 32
Transmission, differential, and final drives:	
Three-piece, round-nose	(qt) 152
One-piece, sharp-nose	(qt) 164
Brakes	
Parking brake, type	pedal for locking steering brakes
Transmission forward speeds	
Gear ratio	High 0.73:1; Fourth 1:1; Low 7.56:1
Differential-drive gear ratio	3.53:1
Final-drive gear ratio	2.84:1
Hull construction	
Armor, Turret: Welded homogeneous armor plate.	

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 31
Fording depth	(in.) 36
Maximum width of ditch vehicle can cross	(in.) 90
Maximum vertical obstacle vehicle can climb	(in.) 24
Fuel consumption (average conditions)	(mpg) 0.7
Cruising range (average conditions)	(mi) 115
Allowable speed, governed	(mph) 26
Maximum allowable towed load, gross	(lb) 10,000

ENGINE

Manufacturer: Ford	Model GAA
Type	4-cycle, valve-in-head; No. of cylinders (60-deg V) 8
Displacement	(cu in.) 1,100
Bore	(in.) 5.4
Stroke	(in.) 6
Compression ratio	7.5:1
Governed speed	(rpm) 2,800
Brake horsepower (max w/std accessories)	450 at (rpm) 2,600
Torque (max w/std accessories)	950 lb-ft at (rpm) 2,100
Type of ignition	magneto

ADDITIONAL DATA

Data given for vehicle equipped w/track, steel, T54E1, Tracks, rubber, T48 and T51; track, steel, T49; track, rubber-backed-steel, T74, are interchangeable.

One-piece or three-piece differential housing used on this vehicle.

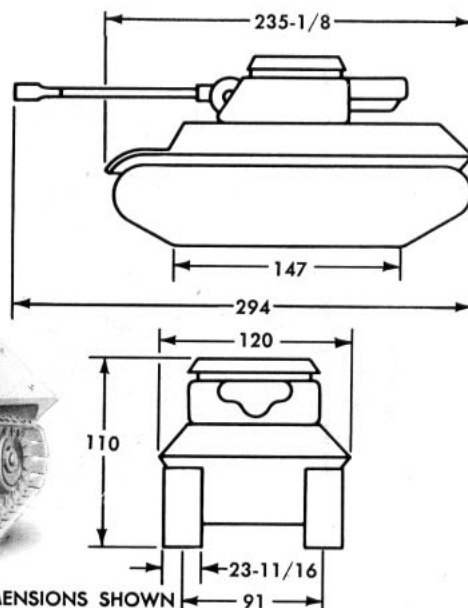
Manual and power turret-traversing mechanism.

Auxiliary generator: Homelite model HRUH-28.

CARRIAGE, MOTOR, 90-MM GUN, M36B2



RA PD 137734



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Technical Manuals: 9-745, 9-1731D, 9-1731G, 9-1731K, 9-1750A, 9-1750B, 9-1750G, 9-1750L, 9-1825A, 9-1829A; Supply Catalog: SNI G-237.

Classification: Substitute Standard.

Armament: 1 gun, 90-mm, M3, turret mounted; 1 gun, cal. .50, Browning, heavy barrel, M2 (flexible) pedestal mounted on top of turret bustle.

Ammunition: 47 rounds, 90-mm; 1,000 rounds, cal. .50; 450 rounds cal. .30, carbine; 12 hand grenades; 4 pots, smoke; 18 signals, pyrotechnic.

GENERAL DATA

Crew	5
Weight, fighting	(lb) 66,000
Over-all length w/gun in traveling position	(in.) 254
Shipping dimensions, uncrated	(cu ft) 1,950; (sq ft) 212
Ground clearance	(in.) 18 3/4
Pintle height, loaded	(in.) 24
Ground pressure	(psi) 9.5
Electrical system	(volts) 24
No. of batteries	(12-volt) 2
Type of ground	negative
Fuel octane rating	(Diesel fuel oil) 40
Capacities:	
Fuel	(gal) 165
Cooling system	(qt) 120
Crankcase, refill	(each engine) (qt) 28
Transmission, differential, and final drives:	
Three-piece, round-nose	(qt) 152
One-piece, sharp-nose	(qt) 164
Transfer	(qt) 2 1/2
Oil tank (dry-sump engine only) (each tank)	(qt) 32
Brakes	mechanical, controlled-differential
Parking brake, type	pedal lock on steering brakes
Transmission forward speeds	5
Gear ratio	High 0.73:1; Fourth 1:1; Low 7.56:1
Transfer speeds	1
Gear ratio	1.37:1
Differential-drive gear ratio	3.53:1
Final-drive gear ratio	2.84:1
Hull construction	welded homogeneous armor plate
Armor, Turret	Cast homogeneous armor w/removable armor-plate top.

Purpose: To provide mobility for 90-mm gun, and protection for crew.

Fire Control and Vision Devices: Periscope, M13, or M13B1, or M6 (vision); quadrant elevation, M9; quadrant, gunner's, M1; telescope, M83C, M76F, or M71C (sight); telescope, panoramic, M12 (sight).

Communications: (SCR-619 or SCR-610) and (RC-99); or (SCR-619 or SCR-610) and RC-(99) and (AN/VRC-3).

PERFORMANCE

Maximum grade ability	(percent) 50
Turning radius	(ft) 31
Fording depth	(in.) 42
Maximum width of ditch vehicle can cross	(in.) 90
Maximum vertical obstacle vehicle can climb	(in.) 19
Fuel consumption (average conditions)	(mpg) 0.7
Cruising range (average conditions)	(mi) 115
Allowable speed, governed	(mph) 25
Maximum allowable towed load, gross	(lb) 10,000

ENGINE

Manufacturer:	GMC	Model 6046 or 6046D
Type	Twin Diesel, 2-cycle; No. of cylinders 12	
Displacement	(cu in.) 850	
Bore	(in.) 4 3/4	
Stroke	(in.) 5	
Compression ratio	16:1	
Governed speed	(rpm) 2,100	
Brake horsepower (max w/std accessories)	.375 at (rpm) 2,100	
Torque (max w/std accessories)	855 lb-ft at (rpm) 1,300	
Type of ignition	compression	

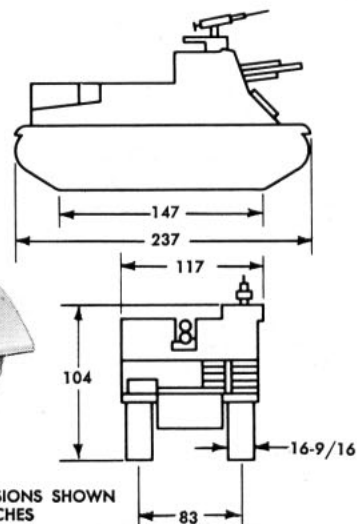
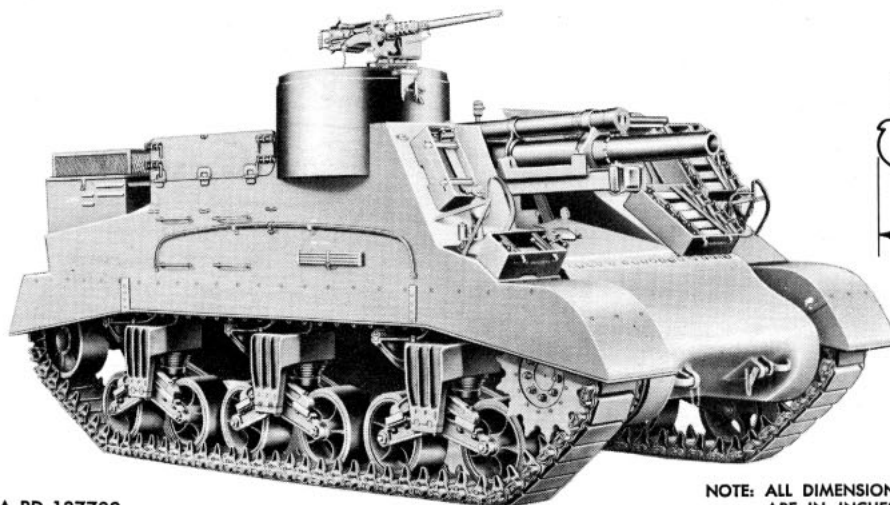
ADDITIONAL DATA

One-piece or three-piece differential housing used on this vehicle.
Manual and power turret-traversing mechanism.

Auxiliary generator: Homelite model HRUH-28.

Data given for vehicle equipped w/track, rubber, T54E1, w/extended end connectors.

CARRIAGE, MOTOR, 105-MM HOWITZER, M7



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137782

Technical Manuals: 9-731E, 9-1725, 9-1750A, 9-1750B, 9-1750C, 9-1750D, 9-1750K, 9-1751, 9-1825A, 9-1825B, 9-1826B, 9-1828A, 9-1829A; Supply Catalog: SNL G-128.

Classification: Substitute Standard.

Armament: 1 howitzer, 105-mm, M2A1, flexibly mounted in front end of fighting compartment; 1 gun, machine, cal. .50, Browning, M2, heavy barrel (flexible) ring mounted on machine gun turret at right side of hull.

Ammunition: 73 rounds, 105-mm; 600 rounds, cal. .50; 180 rounds, cal. .45, for submachine guns; 8 hand grenades.

Purpose: To provide mobility for 105-mm howitzer and crew protection.

Fire Control and Vision Devices: Quadrant, range, M4A1 or M4; quadrant, gunner's, M1; telescope, elbow, M16A1C (sight); telescope, panoramic, M12A2 (sight).

Communications: (RC-99).

GENERAL DATA

Crew	7
Weight, fighting	(lb) 52,000
Shipping dimensions, uncrated	(cu ft) 1,650; (sq ft) 190
Ground pressure	(psi) 10.7
Ground clearance	(in.) 17½
Pintle height, loaded	(in.) 25¼
Electrical system	(volts) 24
No. of batteries	(12-volt) 2
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 176
Engine oil tank:	
Early models	(qt) 32
Late models	(qt) 52
Transmission, differential, and final drives:	
Three-piece, round-nose	(qt) 152
One-piece, sharp-nose	(qt) 164
Brakes	mechanical, controlled-differential
Parking brake, type	pedal lock on steering brakes
Transmission forward speeds	5
Gear ratio	High 0.73:1; Fourth 1:1; Low 7.56:1
Final-drive gear ratio	2.84:1
Differential-drive gear ratio	3.53:1
Hull construction	welded homogeneous armor plate

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 31
Fording depth	(in.) 42
Maximum width of ditch vehicle can cross	(in.) 90
Maximum vertical obstacle vehicle can climb	(in.) 24
Fuel consumption (average conditions)	(mpg) 0.5
Cruising range (average conditions)	(mi) 85
Allowable speed, governed	(mph) 24
Maximum allowable towed load, gross	(lb) 10,000

ENGINE

Manufacturer:	Continental	Model R-975-C-1
Type	4-cycle, radial, air-cooled; No. of cylinders	9
Displacement	(cu in.)	973
Bore	(in.)	5
Stroke	(in.)	5½
Compression ratio		5.7:1
Governed speed	(rpm)	2,400
Brake horsepower (max w/std accessories)	350 at (rpm)	2,400
Torque (max w/std accessories)	840 lb-ft at (rpm)	1,800
Type of ignition		magneto

ADDITIONAL DATA

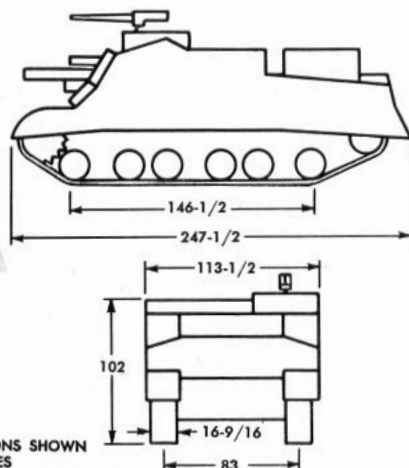
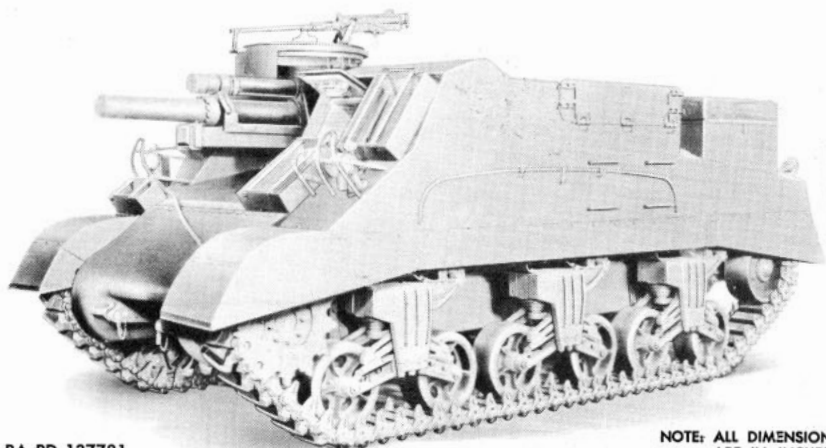
One-piece or three-piece final drive used.

Parking brake, early model: Rear of transmission.

Engine is interchangeable with model R-975-C-4.

Data given w/track, rubber, T51. Tracks, rubber, T48 and T51E1; tracks, steel, T49 and T54E1; tracks, rubber-backed steel, T74 and T80, are interchangeable.

CARRIAGE, MOTOR, 105-MM HOWITZER, M7B1



RA PD 137781

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-749, 9-1731B, 9-1750A, 9-1750B, 9-1750K, 9-1825A, 9-1825B, 9-1826B, 9-1828A, 9-1829A; Supply Catalog: SNI, G-199.

Classification: Substitute Standard.

Armament: 1 howitzer, 105-mm, M2A1, flexibly mounted in forward end of fighting compartment; 1 gun, machine, cal. .50, Browning, M2, heavy barrel (flexible) ring mounted at right front of vehicle.

Ammunition: 73 rounds, 105-mm; 630 rounds, cal. .50; 180 rounds, cal. .45, for submachine gun; 540 rounds cal. .30, carbine; 8 hand grenades.

Purpose: To provide mobility for 105-mm howitzer and crew protection in offensive combat.

Fire Control and Vision Devices: Quadrant, gunner's M1; quadrant range, M4A1 or M4; telescope, elbow, M16A1C (sight); telescope, panoramic, M12A2, (sight).

Communications: (RC-99).

GENERAL DATA

Crew	7
Weight, fighting	(lb) 50,000
Shipping dimensions, uncrated	(cu ft) 1,695; (sq ft) 195
Ground pressure	(psi) 10.9
Ground clearance	(in.) 17 1/2
Pintle height, loaded	(in.) 25 1/4
Electrical system	(volts) 24
No. of batteries	(12-volt) 2
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 168
Cooling system	(qt) 56
Crankcase, refill	(qt) 32
Transmission, differential, and final drives:	
Three-piece, round-nose	(qt) 152
One-piece, sharp-nose	(qt) 164
Brakes	mechanical, controlled-differential
Parking brake type:	
Early models (round-nose)	rear of transmission
Late models (sharp-nose)	pedal for locking steering brakes
Transmission for forward speeds	5
Gear ratio	High 0.73:1; Fourth 1:1; Low 7.56:1
Final-drive gear ratio	2.84:1
Differential-drive gear ratio	3.53:1
Hull construction	welded homogeneous armor plate

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 31
Fording depth	(ft) 36
Maximum width of ditch vehicle can cross	(in.) 90
Maximum vertical obstacle vehicle can climb	(in.) 24
Fuel consumption (average conditions)	(mpg) 0.7
Cruising range (average conditions)	(mi) 125
Allowable speed, governed	(mph) 26
Maximum allowable towed load, gross	(lb) 10,000

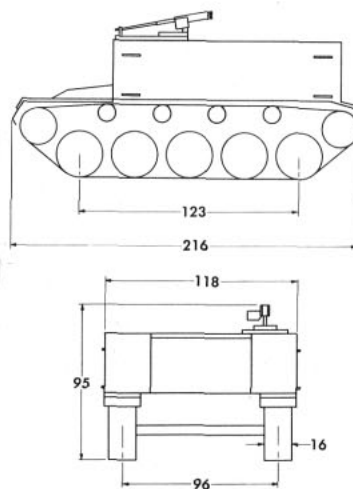
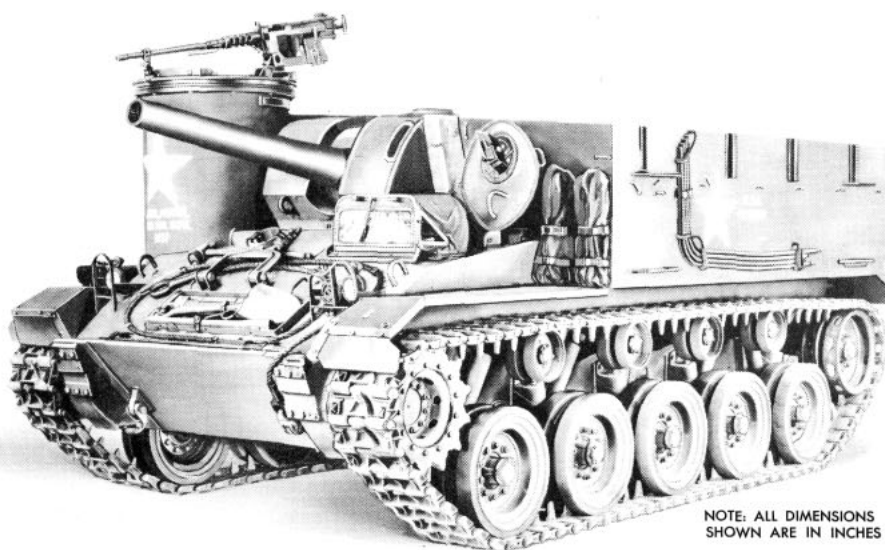
ENGINE

Manufacturer: Ford	Model GAA
Type	4-cycle, valve-in-head; No. of cylinders (60-deg V) 8
Displacement	(cu in.) 1,100
Bore	(in.) 5.4
Stroke	(in.) 6
Compression ratio	7.5:1
Governed speed	(rpm) 2,600
Brake horsepower (max w/std accessories)	450 at (rpm) 2,600
Torque (max w/std accessories)	950 lb-ft at (rpm) 2,100
Type of ignition	magneto

ADDITIONAL DATA

Data given for vehicle, equipped w/track, rubber, T15. Tracks, rubber, T48 and T51E; tracks, steel, T49 and T54E1 are interchangeable.

CARRIAGE, MOTOR, 105-MM, HOWITZER, M37



NOTE: ALL DIMENSIONS
SHOWN ARE IN INCHES

RA PD 137748

Technical Manuals: 9-717, 9-1729A, 9-1729B, 9-1729C, 9-1825A, 9-1826A, 9-1828A, 9-1829A; Supply Catalog: SNL G-238.

Classification: Standard.

Armament: Howitzer, 105-mm, M4, flexibly mounted in front of fighting compartment. Gun, machine, cal. .50, Browning, M2, heavy barrel (flexible) ring mounted at right front of vehicle.

Ammunition: 126 rounds, 105-mm; 990 rounds, cal. .50; 750 rounds cal. .45 for submachine gun; 8 hand grenades.

GENERAL DATA

Crew	7
Weight, fighting	(lb) 46,000
Shipping dimensions, uncrated	(cu ft) 1,400; (sq ft) 177
Ground pressure	(psi) 11.7
Ground clearance	(in.) 18 3/8
Pintle height, unloaded	(in.) 26 1/2
Electrical system	(volts) 24
No. of batteries	(6-volt) 4
Type of ground	negative
Fuel octane rating	70

Capacities:

Fuel	(gal) 110
Cooling system	(each) (qt) 40
Crankcase, refill	(each engine) (qt) 8
Transmission (hydramatic)	(each) (qt) 15
Differential	(qt) 20
Transfer	(qt) 4 1/2
Final drive	(each) (qt) 2
Brakes	mechanical, controlled-differential
Parking brake, type	lever locks on steering brakes
Transmission (hydramatic) forward speeds	4
Gear ratio	High 1:1; Third 1.55:1; Low 3.92:1
Transfer speeds	3
Gear ratio	High 1.03:1; Low 2.34:1; Reverse 2.44:1
Final-drive gear ratio	2.94:1
Differential-drive gear ratio	2.62:1
Hull construction	welded homogeneous armor plate

Purpose: To provide mobility for 105-mm howitzer and crew protection in offensive combat.

Fire Control and Vision Devices: Periscope, M13 or M6 (vision); quadrant, elevation, M12; quadrant, gunner's M1; telescope, M76G; telescope, panoramic, M12 or M12A2 (sight).

Communications: (SCR-510) and (RC-99).

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 18
Fording depth	(in.) 42
Maximum width of ditch vehicle can cross	(in.) 108
Maximum vertical obstacle vehicle can climb	(in.) 36
Fuel consumption (average conditions)	(mpg) 9
Cruising range (average conditions)	(mi) 100
Allowable speed, recommended	(mph) 30
Maximum allowable towed load, gross	(lb) 10,000

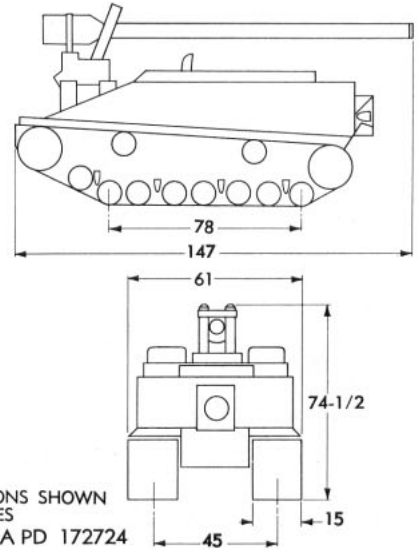
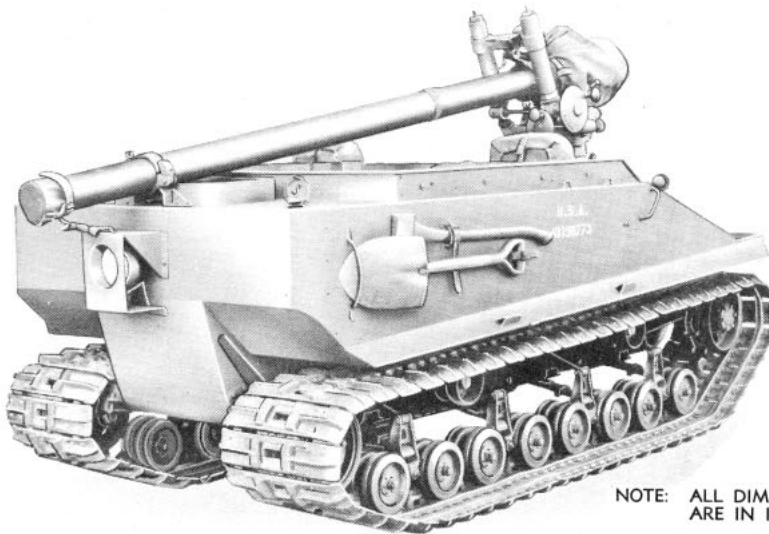
ENGINE

Manufacturer:	Cadillac	No. used 2; Model 44T24
Type	4-cycle, L-head; No. of cylinders (90-deg V)	8
Displacement	(cu in.)	349
Bore	(in.)	3 1/2
Stroke	(in.)	4 1/2
Compression ratio		7.06:1
Governed speed		not governed
Brake horsepower (max w/std accessories)	110 at (rpm)	3,400
Torque (max w/std accessories)	240 lb-ft at (rpm)	1,200
Type of ignition		distributor

ADDITIONAL DATA

Data given for vehicle equipped w/track, steel, T72. Track, steel, T72E1 interchangeable. Track, rubber, T85E1 applicable w/changed sprocket.

CARRIAGE, MOTOR, 105-MM RIFLE, T106



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172724

Technical Manuals: (installation of rifle and mount): 9-329 (for basic vehicle): 9-772, 9-1772; **Supply Catalog:** (for rifle): SNL C-77 (for vehicle): SNL G-179.

Armament: 1 gun, 105-mm, recoilless, M27 flexibly mounted in gun compartment.

Ammunition: 4 rounds, 105-mm, M3A3.

Fire-control and vision devices:

telescope, M90C (sight).

telescope, elbow, M62 (sight).

Purpose: To provide mobility for 105-mm recoilless gun over swampy and rough terrain.

Communications:

(SCR-506 or SCR-1935) and (SCR-508 or SCR-528 or SCR-608 or SCR-510 or SCR-619 or SCR-610); or (AN/GRC-9 or SCR-694C) and (SCR-510 or SCR-619 or SCR-610).

GENERAL DATA

Crew.....	2 to 4
Weight, fighting.....	(lb) 4,731
Over-all length (gun in traveling position).....	(in.) 145
Shipping dimensions, uncrated.....	(cu ft) 381; (sq ft) 61.4
Ground pressure.....	(psi) 2.2
Ground clearance.....	(in.) 11
Pintle height, loaded.....	(in.) 27 1/4
Electrical system.....	(volts) 12
No. of batteries.....	(12-volt) 1 or (6-volt) 2
Type of ground.....	negative
Fuel octane rating.....	72
Capacities:	
Fuel.....	(gal) 35
Cooling system.....	(qt) 12 3/4
Crankcase, refill.....	(qt) 5
Transmission.....	(qt) 1
Differential and axle transmission.....	(qt) 6
Brakes	mechanical, controlled-differential
Parking brake, type:	
Early models.....	none
Late models.....	rear of axle transmission
Transmission for forward speeds	3
Gear ratio.....	High 1:1; Low 2.66:1
Axle transmission speeds	2
Gear ratio.....	High 0.866:1; Low 2.74:1
Differential-drive gear ratio	4.87:1
Hull construction	welded sheet steel

PERFORMANCE

Maximum grade ability.....	(percent) 65
Turning radius.....	(ft) 12
Fording depth.....	will float
Maximum width of ditch vehicle can cross.....	(in.) 36
Maximum vertical obstacle vehicle can climb.....	(in.) 24
Fuel consumption (average conditions).....	(mpg) 5
Cruising range (average conditions).....	(mi) 175
Allowable speed, recommended.....	(mph) 36
Maximum allowable towed load, gross.....	(lb) 3,800

ENGINE

Manufacturer: Studebaker.....	Model: Champion
Type	4-cycle, L-head; No. of cylinders (in line) 6
Displacement	(cu in.) 170
Bore	(in.) 3
Stroke	(in.) 4
Compression ratio	7:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	65 at (rpm) 3,600
Torque (max w/std accessories)	130 lb-ft at (rpm) 1,800
Type of ignition	distributor

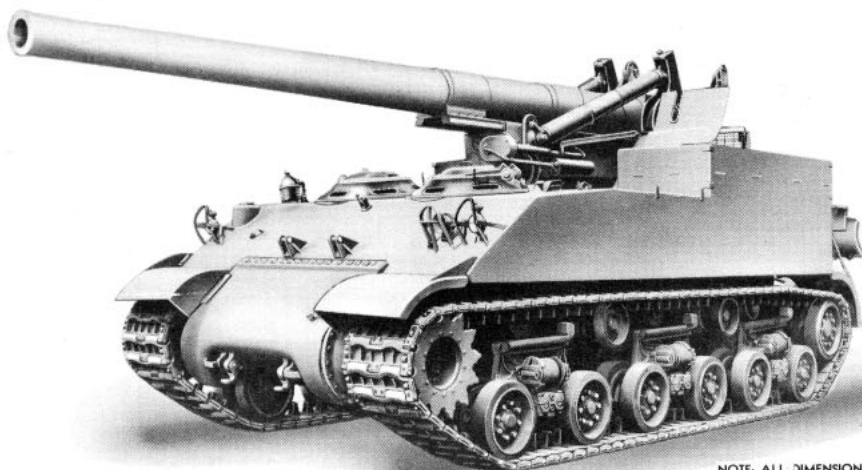
ADDITIONAL DATA

Data given for vehicle equipped with track, endless-rubber-band with riveted steel shoes, T76.

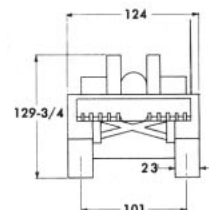
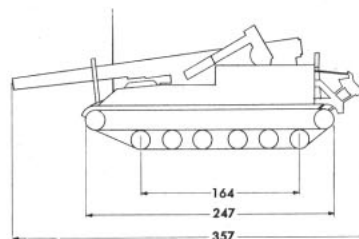
Track, endless-rubber-band with riveted steel shoes, T76E1 also applicable with changed suspension. Changes in data for vehicle equipped with track, T76E1 are as follows:

Track width	(in.) 20
Shipping dimensions	(cu ft) 443; (sq ft) 71.5
Over-all width	(in.) 71
Ground pressure	(psi) 1.75

CARRIAGE, MOTOR, 155-MM GUN, M40



RA PD 137715



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-747, 9-1725, 9-1747, 9-1750B, 9-1750C, 9-1750D, 9-1751, 9-1825A, 9-1825B, 9-1826B, 9-1828A, 9-1829A; Supply Catalog: SNL G-232.

Classification: Standard.

Armament: Gun, 155-mm, M2, flexibly mounted at rear of fighting compartment.

Ammunition: 20 rounds, 155-mm; 12 hand grenades; 10 rifle grenades.

Purpose: To provide mobility for 155-mm gun and crew protection in offensive combat.

Fire Control and Vision Devices: Periscope M13 or M6 (vision); quadrant gunner's M1; telescope, M69F (sight); telescope, elbow, MA161F (sight); telescope, panoramic, M12 (sight).

Communications: (SCR-619 or SCR-610) and (RC-99).

GENERAL DATA

Crew	8
Weight, fighting	(lb) 81,000
Shipping dimensions, uncrated	(cu ft) 3,320; (sq ft) 307
Ground pressure	(psi) 10.7
Ground clearance	(in.) 19 1/4
Pintle height, unloaded	(in.) 21 1/4
Electrical system	(volts) 24
No. of batteries	(12-volt) 2
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 215
Engine oil tank	(qt) 52
Transmission, differential, and final drives	(qt) 152
Brakes	mechanical, controlled-differential
Parking brake, type	pedal for locking steering brakes
Transmission forward speeds	5
Gear ratio	High 0.73:1; Fourth 1:1; Low 7.56:1
Differential-drive gear ratio	3.53:1
Final-drive gear ratio	2.84:1
Hull construction	welded homogeneous armor plate

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 41 1/2
Fording depth	(in.) 36
Maximum width of ditch vehicle can cross	(in.) 92
Maximum vertical obstacle vehicle can climb	(in.) 34
Fuel consumption (average conditions)	(mpg) 0.5
Cruising range (average conditions)	(mi) 107
Allowable speed, governed	(mph) 24
Maximum allowable towed load, gross	(lb) 10,000

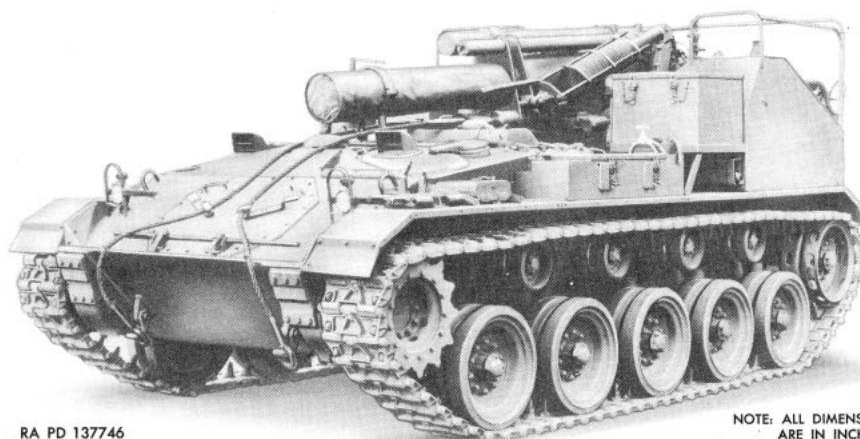
ENGINE

Manufacturer	Continental	Model R975-C4
Type	4-cycle, radial, air-cooled; No. of cylinders 9	
Displacement	(cu in.) 973	
Bore	(in.) 5	
Stroke	(in.) 5 1/2	
Compression ratio	5.7:1	
Governed speed	(rpm) 2,400	
Brake horsepower (max w/std accessories)	400 at (rpm) 2,400	
Torque (max w/std accessories)	900 lb-ft at (rpm) 1,700	
Type of ignition	magneto	

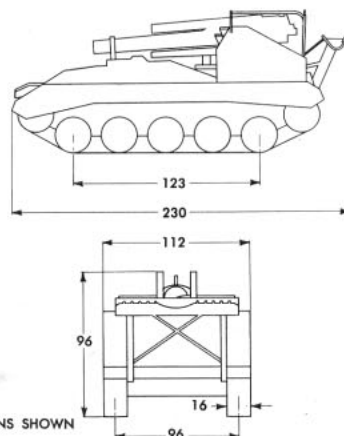
ADDITIONAL DATA

Data given for vehicle equipped w/track, steel, T66. Track, rubber-backed steel, T80 and track, rubber, T84 are interchangeable.

CARRIAGE, MOTOR, 155-MM HOWITZER, M41



RA PD 137746



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-744, 9-1729A, 9-1729B, 9-1729C, 9-1825A, 9-1826A, 9-1828A, 9-1829A; Supply Catalog: SNL G-236.

Classification: Standard.

Armament: Howitzer, 155-mm, M1, flexibly mounted at rear of fighting compartment.

Ammunition: 22 rounds, 155-mm; 420 rounds, cal. .45 for submachine-gun; 480 rounds, cal. .30, carbine; 12 hand grenades.

Purpose: To provide mobility for 155-mm howitzer and crew protection in offensive combat.

Fire Control and Vision Devices: Periscope, M13 or M6 (vision); quadrant gunner's, M1; telescope, panoramic, M12A6.

Communications: (SCR-619 or SCR-610 or SCR-510) and (RC-99).

GENERAL DATA

Crew	12
Weight, fighting	(lb) 42,500
Shipping dimensions, uncrated	(cu ft) 1,430; (sq ft) 179
Ground pressure	(psi) 10.8
Ground clearance	(in.) 1734
Pintle height, unloaded	(in.) 1934
Electrical system	(volts) 24
No. of batteries	(12-volt) 2
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 110
Cooling system	(each) (qt) 40
Crankcase, refill	(each) (qt) 8
Transmission	(each) (qt) 15
Transfer	(qt) 4½
Differential	(qt) 20
Final drive	(each) (qt) 2
Brakes	mechanical, controlled-differential
Parking brake, type	depressor knobs for locking steering brakes
Transmission forward speeds	4
Gear ratio	High 1:1; Third 1.55:1; Low 3.92:1
Transfer speeds	(2 forward; 1 reverse) 3
Gear ratio	High 1.03:1; low 2.34:1; reverse 2.44:1
Differential-drive gear ratio	2.62:1
Final-drive gear ratio	2.94:1
Hull construction	welded homogeneous armor plate

PERFORMANCE

Computed maximum grade ability	(percent) 60
Turning radius	(ft) 18
Fording depth	(in.) 42
Maximum width of ditch vehicle can cross	(in.) 108
Maximum vertical obstacle vehicle can climb	(in.) 40
Fuel consumption (average conditions)	(mpg) 0.9
Cruising range (average conditions)	(mi) 96
Allowable speed, recommended	(mph) 30
Maximum allowable towed load, gross	(lb) 10,000

ENGINE

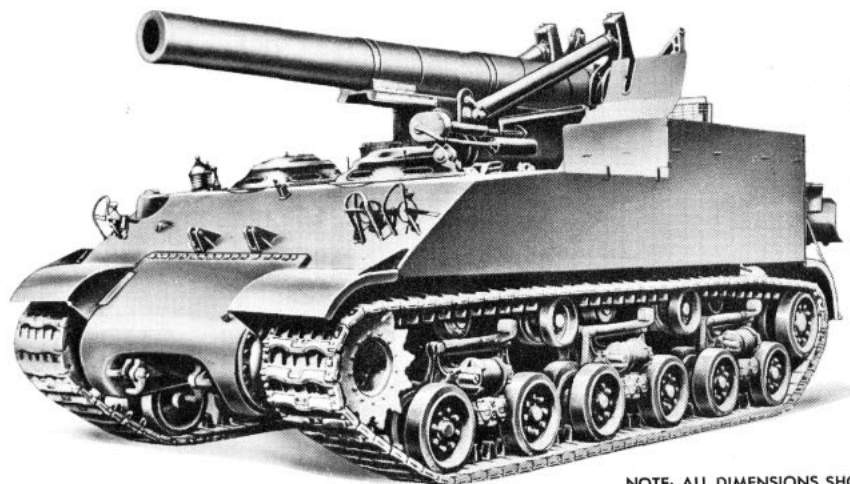
Manufacturer:	Cadillac	No. used 2; Model 42
Type	4-cycle, L-head; No. of cylinders (90-deg V)	8
Displacement		(cu in.) 346
Bore		(in.) 3½
Stroke		(in.) 4½
Compression ratio		7.06:1
Governed speed		not governed
Brake horsepower (max w/std accessories)		110 at (rpm) 3,400
Torque (max w/std accessories)		240 lb-ft at (rpm) 1,200
Type of ignition		distributor

ADDITIONAL DATA

Manual and power traversing and elevating mechanism.

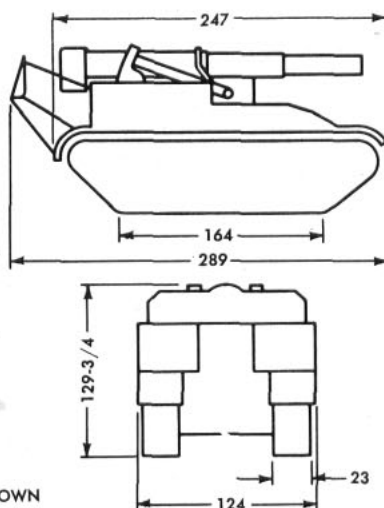
Data given for vehicle equipped w/track, steel, T72. Track, steel, T72E1 interchangeable. Track, rubber, T85E1 applicable w/changed sprocket.

CARRIAGE, MOTOR, 8-INCH HOWITZER, M43



RA PD 137750

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



Technical Manuals: 9-747, 9-1725, 9-1747, 9-1750B, 9-1750C, 9-1750D, 9-1751, 9-1825A, 9-1825B, 9-1826B, 9-1828A, 9-1829A; Supply Catalog: SNL G-232.

Classification: Standard.

Armament: Howitzer, 8 in, M2, flexibly mounted at rear of fighting compartment.

Ammunition: 12 rounds, 8 in; 12 hand grenades; 10 rifle grenades.

Purpose: To provide mobility for 8-in. howitzer and crew protection in offensive combat.

Fire Control and Vision Devices: Periscope, M13 or M6 (vision); quadrant, gunner's, M1; telescope, M69G (sight); telescope, elbow, M16A1G (sight); telescope, panoramic, M12 (sight).

Communications: (SCR-619 or SCR-610) and (RC-99)

GENERAL DATA

Crew	8
Weight, fighting	(lb) 80,000
Shipping dimensions, uncrated	(cu ft) 2,690; (sq ft) 249
Ground clearance	(in.) 19 1/4
Pintle height, unloaded	(in.) 21 1/2
Ground pressure	(psi) 10.2
Electrical system	(volts) 24
No. of batteries	(12-volt) 2
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 215
Transmission, differential, and final drives	(qt) 152
Engine oil tank	(qt) 52
Brakes	mechanical, controlled-differential
Parking brake, type	pedal for locking steering brakes
Transmission forward speeds	5
Gear ratio	High 0.73:1; Fourth 1:1; Low 7.56:1
Differential-drive gear ratio	3.53:1
Final-drive gear ratio	2.84:1
Hull construction	welded homogeneous armor plate

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 41 1/2
Fording depth	(in.) 36
Maximum width of ditch vehicle can cross	(in.) 92
Maximum vertical obstacle vehicle can climb	(in.) 34
Fuel consumption (average conditions)	(mpg) .5
Cruising range (average conditions)	(mi) 107
Allowable speed, governed	(mph) 24
Maximum allowable towed load, gross	(lb) 10,000

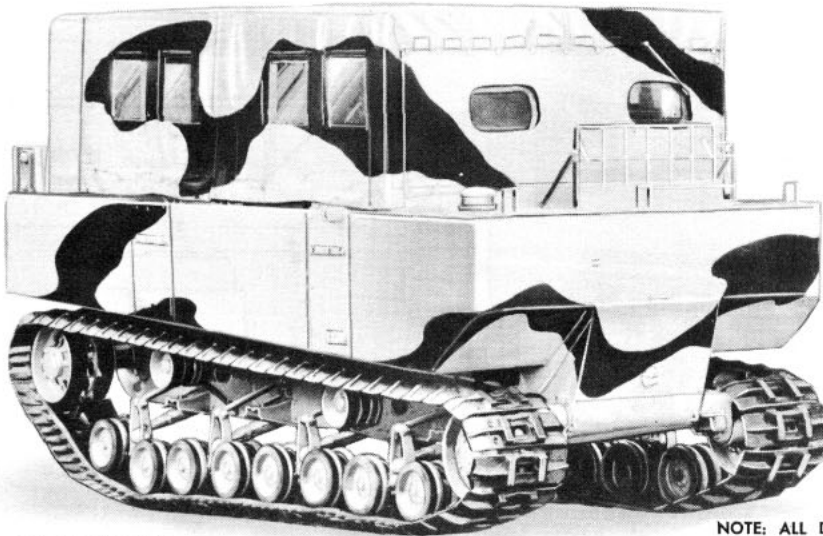
ENGINE

Manufacturer	Continental	Model R975-C4
Type	4-cycle, radial, air cooled; No. of cylinders 9	
Displacement	(cu in.) 973	
Bore	(in.) 5	
Stroke	(in.) 5 1/2	
Compression ratio	5.7:1	
Governed speed	(rpm) 2,400	
Brake horsepower (max w/std accessories)	400 at (rpm) 2,400	
Torque (max w/std accessories)	940 lb-ft at (rpm) 1,700	

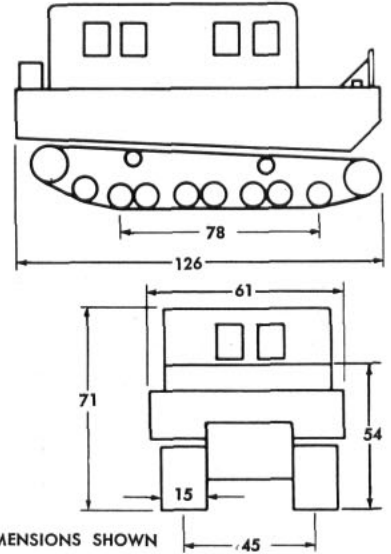
ADDITIONAL DATA

Data given for vehicle equipped w/track, steel T66. Track, rubber-backed steel, T80 and Track, rubber, T84 are interchangeable.

CARRIER, CARGO, M29



RA PD 137738



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-772, 9-1772, 9-1825B, 9-1826A, 9-1828A; Supply Catalog: SNL G-179.

Classification: Standard.

Communications: (SCR-506 or SCR-193S) and (SCR-508 or SCR-528 or SCR-608 or SCR-510 or SCR-619 or SCR-610); or (AN/GRC-9 or SCR-694C) and (SCR-510 or SCR-619 or SCR-610).

GENERAL DATA

Crew	2 to 4
Weight (lb)	Net 3,725; Crew and Equipment 1,200; Gross 4,925
Shipping dimensions, uncrated	(cu ft) 242; (sq ft) 54
Ground clearance	(in.) 11
Ground pressure	(psi) 2.1
Pintle height, loaded	(in.) 27½
Electrical system	(volts) 12
No. of batteries	one 12-volt or two 6-volt
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 35
Cooling system	(qt) 12¾
Crankcase, refill	(qt) 5
Transmission	(qt) 1
Differential and axle transmission	(qt) 6
Brakes	mechanical, controlled-differential
Parking brakes:	
Early models	none
Late models	rear of axle transmission
Transmission forward speeds	3
Gear ratio	High 1:1; Low 2.66:1
Axle-transmission speeds	2
Gear ratio	High 0.866:1; Low 2.74:1
Differential-drive gear ratio	4.87:1
Hull construction	welded sheet steel

PERFORMANCE

Maximum grade ability	(percent) 65
Turning radius	(ft) 12
Fording depth	will float

Purpose: To transport personnel or cargo over snow and ice or difficult terrain.

PERFORMANCE—Continued

Maximum width of ditch vehicle can cross	(in.) 36
Maximum vertical obstacle vehicle can climb	(in.) 24
Fuel consumption (average conditions)	(mpg) 5
Cruising range (average conditions)	(mi) 175
Allowable speed, recommended	(mph) 36
Maximum allowable towed load, gross	(lb) 3,800

ENGINE

Manufacturer:	Studebaker	Model	Champion
Type	4-cycle, L-head; No. of cylinders (in line)	6	
Displacement	(cu in.)	170	
Bore	(in.)	3	
Stroke	(in.)	4	
Compression ratio		7:1	
Governed speed		not governed	
Brake horsepower (max w/std accessories)	65 at (rpm)	3,600	
Torque (max w/std accessories)	130 lb-ft at (rpm)	1,800	
Type of ignition		distributor	

ADDITIONAL DATA

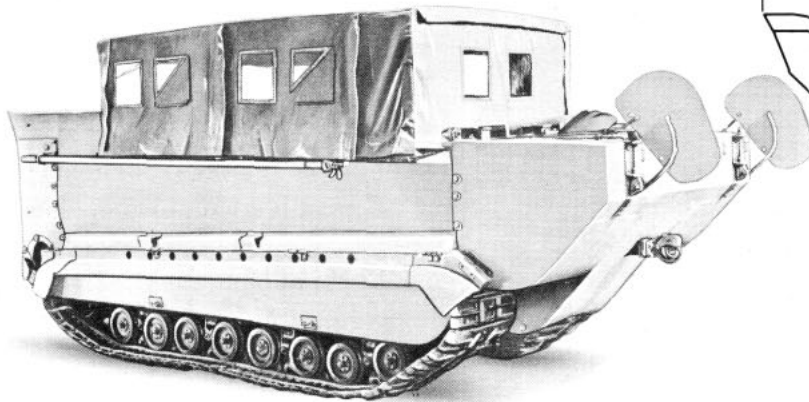
Above data is for early-production vehicles having 15-in. track.

For later-production vehicles having 20-in track, data is as follows:

Weight (lb)	Net 4,077; Crew and equipment 1,200; Gross 5,277
Shipping dimensions, uncrated	(cu ft) 261; (sq ft) 58
Over-all width	(in.) 66
Ground pressure	(psi) 1.6

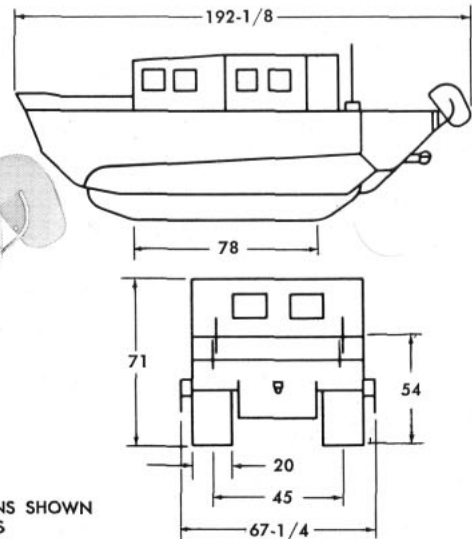
Data given for vehicle equipped w/15-in. track, steel, endless rubber band, T76. Track, 20-in., steel, endless rubber band, T76E1 applicable w/changed suspension.

CARRIER, CARGO, AMPHIBIAN, M29C



RA PD 137745

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



Technical Manuals: 9-772, 9-1772, 9-1825B, 9-1826A, 9-1828A; Supply Catalog: SNL G-179.

Classification: Standard.

Communications: (SCR-506 or SCR-193S) and (SCR-508 or SCR-528 or SCR-608 or SCR-510 or SCR-619 or SCR-610); or (AN/GRC-9 or SCR-694C) and (SCR-510 or SCR-619 or SCR-610).

GENERAL DATA

Crew	2 to 4
Weight (lb)	Net 4,778; Crew and equipment 1,200; Gross 5,971
Shipping dimensions, uncrated	(cu ft) 403; (sq ft) 90
Freeboard at gross weight:	
Bow	(in.) 10 1/2
Stern	(in.) 8
Ground clearance	(in.) 11
Pintle height, loaded	(in.) 27 1/2
Ground pressure	(psi) 1.91
Electrical system	(volts) 12
No. of batteries	(12-volt) 1 or (6-volt) 2
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 35
Cooling system	(qt) 12 3/4
Crankcase, refill	(qt) 5
Transmission	(qt) 1
Differential and axle transmission	(qt) 6
Capstan	(qt) 1
Brakes	mechanical, controlled-differential
Parking brakes:	
Early models	none
Late models	rear of axle transmission
Transmission forward speeds	3
Gear ratio	High 1:1; Low 2.66:1
Axle-transmission speeds	2
Gear ratio	High 0.866:1; Low 2.74:1
Differential-drive gear ratio	4.87:1
Hull construction	welded sheet steel

Purpose: To transport personnel or light cargo on land or water.

PERFORMANCE

Maximum grade ability	(percent) 65
Turning radius (on land)	(ft) 12
Fording depth	will float
Maximum width of ditch vehicle can cross	(in.) 36
Maximum vertical obstacle vehicle can climb	(in.) 10
Fuel consumption (average conditions)	(mpg) 5
Fuel consumption on water:	
(2,000 rpm, wide-open throttle)	(gph) 2.5 to 2.7
Cruising range (average conditions)	(mi) 175
Allowable speed, recommended	(mph) 36
Maximum allowable towed load, gross	(lb) 3,800

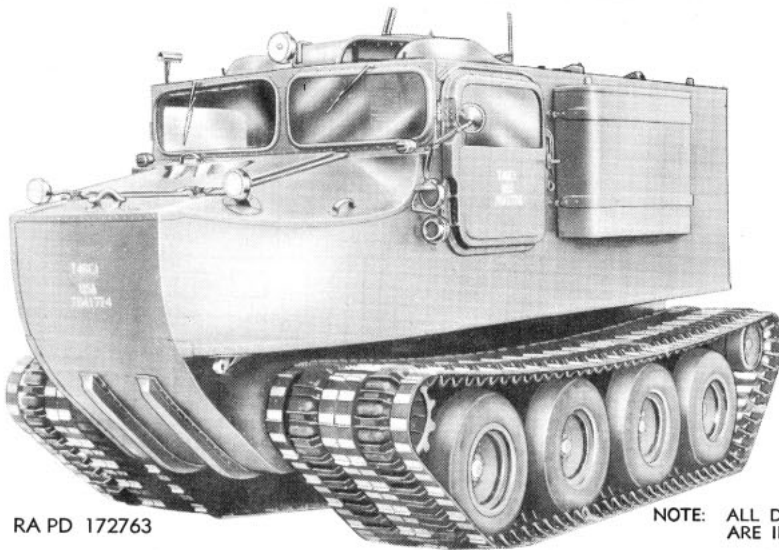
ENGINE

Manufacturer:	Studebaker	Model	Champion
Type	4-cycle, L-head;	No. of cylinders (in line)	6
Displacement		(cu in.)	170
Bore		(in.)	3
Stroke		(in.)	4
Compression ratio			7:1
Governed speed			not governed
Brake horsepower (max w/std accessories)		65 at (rpm)	3,600
Torque (max w/std accessories)		130 lb-ft at (rpm)	1,800
Type of ignition			distributor

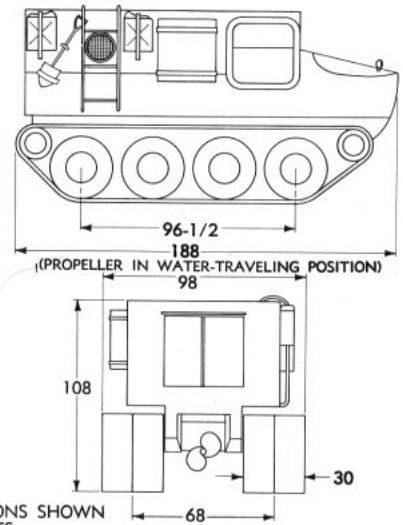
ADDITIONAL DATA

Data given for vehicle equipped w/track, steel, endless rubber band, T76E1.

CARRIER, CARGO, AMPHIBIOUS, T46E1



RA PD 172763



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Technical Manuals: 9-1825A, 9-1825C, 9-1825E, 9-1828A.

Purpose: To transport general cargo and personnel on land or water.

GENERAL DATA

Crew.....	2
Weight, fighting.....	(lb) 12,162
Shipping dimensions, uncrated.....	(cu ft) 1,180; (sq ft) 132
Ground pressure.....	(psi) 2.1
Vehicle dimensions:	
Ground clearance.....	(in.) 16 3/4
Pintle height, loaded.....	(in.) 39 3/4
Cargo-compartment inside dimensions (in.):	
Length 91.....	Width 68; Height 58
Cargo space.....	(cu ft) 208
Electrical system	
No. of batteries.....	(volts) 24
Type of ground.....	(12-volt) 2
Fuel octane rating.....	negative
Fuel octane rating.....	80
Capacities:	
Fuel.....	(gal) 60
Crankcase, refill.....	(qt) 16
Transmission, cross-drive.....	(qt) 21
Brakes:	
Hand-lever-controlled, hydraulic, multiple-disk steering brakes.	
Pedal operates them as service brakes.	
Parking brake: Latch locks on steering brakes.	
Transmission ranges (high, low, and reverse).....	3
Overall maximum useable ratio:	
High range.....	18.494
Low range.....	42.277
Torque-converter stall ratio.....	4.5:1
Final-drive gear ratio.....	4.11:1
Hull construction.....	riveted aluminum-alloy sheet

PERFORMANCE

Maximum grade ability.....	(percent) 60
Turning radius.....	pivots in place
Maximum width of ditch vehicle can cross.....	(in.) 60
Maximum vertical obstacle vehicle can climb.....	(in.) 18
Fuel consumption (average conditions)	
	(on land) (mpg) 2.3
	(on water) (gph) 12
Cruising range (average conditions)	
	(on land) (mi) 140
	(on water) (hrs) 5
Allowable speed, governed.....	(mph) 28
Maximum allowable towed load, gross.....	(lb) 6,000

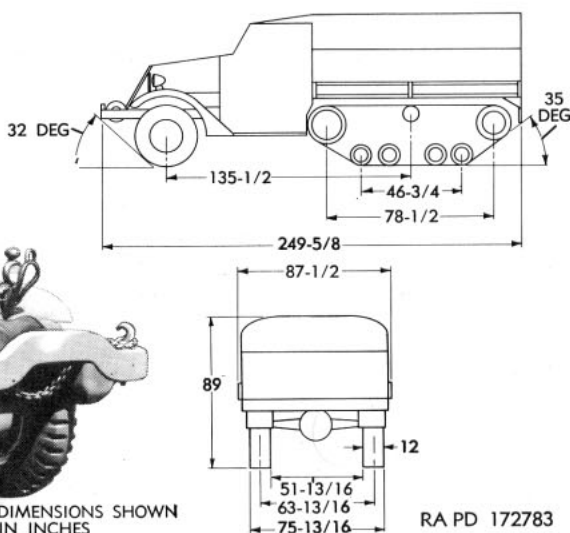
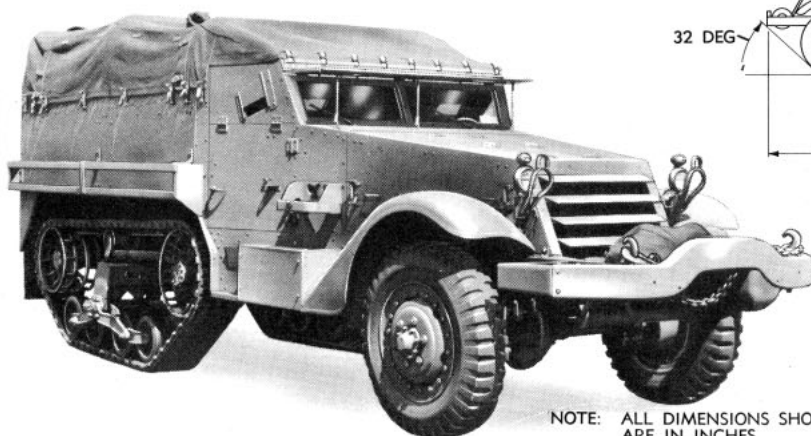
ENGINE

Manufacturer: Continental.....	Model AO-268-3A
Type.....	4-cycle, valve-in-head, air-cooled
No. of cylinders.....	(opposed) 4
Displacement.....	(cu in.) 269
Bore.....	(in.) 4 5/8
Stroke.....	(in.) 4
Compression ratio.....	6.9:1
Governed speed.....	(rpm) 3,200
Brake horsepower (max w/std accessories).....	127 at (rpm) 3,200
Torque (max w/std accessories).....	225 lb-ft at (rpm) 2,600
Type of ignition.....	magneto

ADDITIONAL DATA

Over-all length w/propeller in land traveling position..... (in.) 193

CARRIER, PERSONNEL, HALF-TRACK, M3



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172783

Technical Manuals: 9-710, 9-1710, 9-1710C, 9-1711, 9-1827B, 9-1827C, 9-1828A, 9-1829A; Supply Catalog: SNL G-102.

Classification: Limited Standard.

Armament: 1 gun, machine, cal. .30, Browning, M1919A4 (flexible) pedestal mounted behind center seat of driver's compartment.

Ammunition: 4,000 rounds, cal. .30; 540 rounds, cal. .45, for sub-machine-gun; 22 hand grenades; 24 mines, antitank w/fuze.

GENERAL DATA

Crew	13
Weight (lb)	Net 15,500; Payload 4,500; Gross 20,000
Front-axle gear ratio	6.8:1
Rear-axle (jackshaft) gear ratio	4.44:1
Axle load (lb):	
Empty.....	front 5,735; rear (each track) 4,883
Loaded.....	front 7,400; rear (each track) 6,300
Tires (combat):	
Ply 12; Size 8.25 x 20; Pressure.....	(psi) 55
Tread, center-to-center, front.....	(in.) 63 13/16
Track ground pressure (loaded)	(psi) 11.3
Shipping dimensions, uncrated	(cu ft) 1,127; (sq ft) 152
Vehicle dimensions:	
Ground clearance.....	(in.) 17 1/8
Pintle height (loaded).....	(in.) 28
Electrical system	(volts) 12
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 60
Cooling system.....	(qt) 26
Crankcase, refill.....	(qt) 10 1/2
Transfer and transmission (qt).....	w/o PTO 7 1/2; w/PTO 9
Axles (qt).....	front 3 1/2; rear 6
Winch:	
Load capacity.....	(lb) 10,000
Oil capacity.....	(qt) 2
Brakes:	
Manufacturer: Bendix or Wagner.....	Type; hydrovac
Parking brake, type.....	transfer
Transmission forward speeds	4
Gear ratio.....	High 1:1; Low 4.92:1
Transfer speeds	2
Gear ratio.....	High 1:1; Low 2.48:1

Purpose: To transport cargo and personnel in combat zone.

Communications: (SCR-193 or SCR-245 or SCR-506 or SCR-508 or SCR-510).

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 29 1/2
Fording depth	(in.) 32
Fuel consumption, loaded	(mpg) 3 1/4
Cruising range, loaded	(mi) 210
Allowable speed, recommended	(mph) 45
Maximum recommended towed load, gross, off highway	(lb) 4,500

ENGINE

Manufacturer: White.....	Model 160AX
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 386
Bore	(in.) 4
Stroke	(in.) 5 1/2
Compression ratio	6.44:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	127 at (rpm) 3,000
Torque (max)	325 lb-ft at (rpm) 1,200

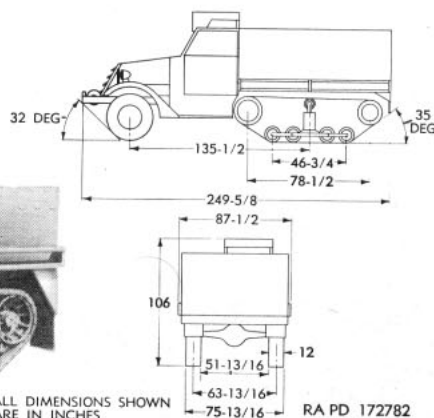
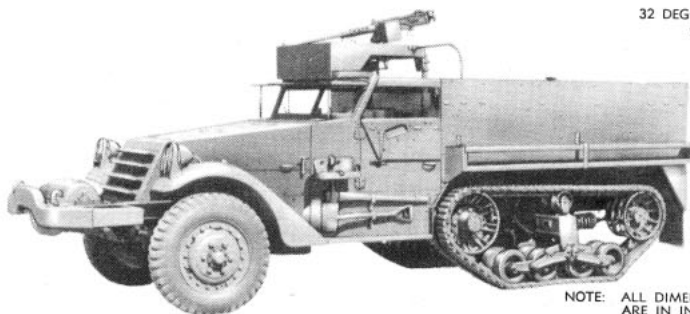
ADDITIONAL DATA

Data given for vehicle w/winch. For vehicle w/o winch and w/front roller, changes in data are as follows: Net weight (lb): 15,000; Payload 5,000. Axle load (lb): Loaded, front 6,900; rear (each track) 6,550; Empty, front 5,175; rear (each track) 4,913. Over-all length (in.) 243 1/2; Shipping dimensions, uncrated: (cu ft) 1,100; (sq ft) 148. Angle of approach (deg) 37.

Equipped w/controller for trailer electric brakes.

Live axles, type	spiral-bevel, full-floating
Transmission, type	constant-mesh

CARRIER, PERSONNEL, HALF-TRACK, M3A1



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

RA PD 172782

Technical Manuals: 9-710, 9-1710, 9-1710C, 9-1711, 9-1827B, 9-1827C, 9-1828A; Supply Catalog: SNL G-102.

Classification: Limited Standard.

Armament: 1 machine gun, cal. .50, Browning, heavy barrel, M2 (flexible) ring mounted at top right side of driver's compartment; 1 machine gun, cal. .30, Browning, M1919A4 (flexible), pintle mounted on either side or rear of vehicle.

Ammunition: 700 rounds, cal. .50; 7,750 rounds, cal. .30; 540 rounds, cal. .45, for submachine gun; 22 hand grenades; 24 mines, antitank, w/fuze.

GENERAL DATA

Crew	13
Weight (lb)	Net 15,300; Payload 5,200; Gross 20,500
Front-axle gear ratio	6.8 : 1
Rear-axle (jackshaft) gear ratio	4.44 : 1
Axle load (lb):	
Empty	front 5,661; rear (each track) 4,820
Loaded	front 7,585; rear (each track) 6,458
Tires (combat):	
Ply 12	size 8.25 x 20; Pressure (psi) 55
Tread, center-to-center, front	(in.) 63 1/8
Track ground pressure (loaded)	(psi) 11.6
Shipping dimensions, uncrated	(cu ft) 1,340; (sq ft) 152
Vehicle dimensions:	
Ground clearance	(in.) 11 1/8
Pintle height (loaded)	(in.) 28
Electrical system	(volts) 12
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 60
Cooling system	(qt) 26
Crankcase, refill	(qt) 10 1/2
Transmission and transfer (qt)	w/o PTO 7 1/2; w/PTO 9
Axles (qt)	front 3 1/2; rear 6
Winch:	
Load capacity	(lb) 10,000
Oil capacity	(qt) 2
Brakes:	
Manufacturer; Bendix or Wagner	Type; hydrovac
Parking brake, type	transfer
Transmission forward speeds	4
Gear ratio	High 1:1; Low 4.92:1
Transfer speeds	2
Gear ratio	High 1:1; Low 2.48:1

Purpose: To transport cargo and personnel in combat zone.

Communications: (SCR-499 or SCR-542); or (SCR-507 or SCR-193T) and (SCR-508 or SCR-528 or SCR-608 or SCR-510 or SCR-619 or SCR-610); or (SCR-506 or SCR-193T) and (SCR-508 or SCR-528) and (AN/VRC-3); or (SCR-508 or SCR-528 or SCR-510) and (AN/VRC-3); or (SCR-508 or SCR-528) and (SCR-593); or (SCR-508) and (SCR-593) and (AN/GRC-9 or SCR-694C); or (SCR-506) and (SCR-508) and (SCR-593 or SCR-499); or (SCR-508) and (SCR-510); or (AN/GRC-3, -4, -5, -6, -7, or -8 or AN/VRQ-1, -2, or -3 or AN/VRC-8, -9, or -10) and (SCR-506 or AN/GRC-9 or SCR-694C or SCR-593 or AN/GRC-5).

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 29 1/2
Fording depth	(in.) 32
Fuel consumption, loaded	(mpg) 3 1/2
Cruising range, loaded	(mi) 210
Allowable speed, recommended	(mph) 45
Maximum recommended towed load, gross, off highway	(lb) 4,500

ENGINE

Manufacturer: White	Model 160AX
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 386
Bore	(in.) 4
Stroke	(in.) 5 1/4
Compression ratio	6.44 : 1
Governed speed	not governed
Brake horsepower (max w/std accessories)	127 at (rpm) 3,000
Torque (max)	325 lb-ft at (rpm) 1,200

ADDITIONAL DATA

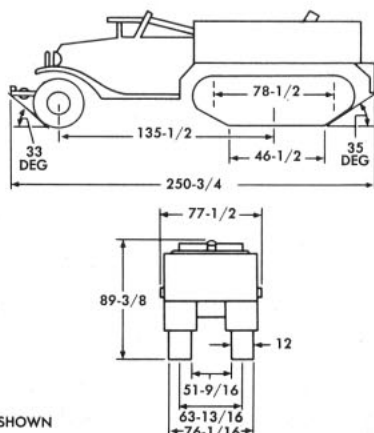
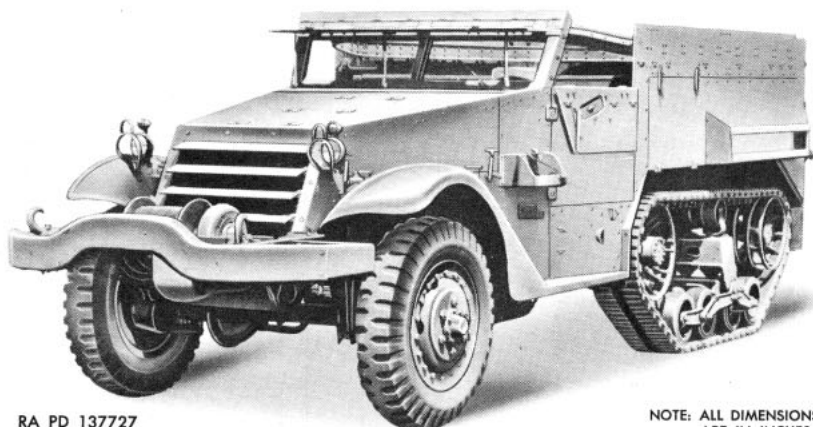
Data given for vehicle w/winch. For vehicle w/o winch and w/front roller, changes in data are as follows: Weight (lb): Net 14,800; Payload 5,700. Axle load (lb): Empty, front 5,106, rear (each track) 4,847; Loaded, front 7,073; rear (each track) 6,714.

Over-all length (in.) 242 1/2. Shipping dimensions, uncrated: (cu ft) 1,306; (sq ft) 148. Angle of approach (deg) 37.

Equipped w/controller for trailer electric brakes.

Live axles, type.....spiral-bevel, full-floating
Transmission, type.....constant-mesh

CARRIER, 81-MM MORTAR, HALF-TRACK, M4



RA PD 137727

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-710, 9-1710, 9-1710C, 9-1711, 9-1827B, 9-1827C, 9-1828A, 9-1829A; Supply Catalog: SNL G-102.

Classification: Limited Standard.

Armament: 1 gun, machine, cal. .50, Browning, M2, heavy barrel (flexible) and 1 gun, machine, cal. .30, Browning, M1919A4 (flexible) both skate mounted on gun ring running completely around inside of body. One mortar, 81-mm, M1, mounted on floor at rear of vehicle.

Purpose: To provide mobility for 81-mm mortar and protection for crew.

Ammunition: 96 rounds, 81-mm; 750 rounds, cal. .50; 540 rounds, cal. .45 for submachine gun; 2,000 rounds, cal. .30; 10 hand grenades; 14 mines, antitank, w/fuze.

Fire Control and Vision Devices: Sight, M4.

GENERAL DATA

Crew	8
Weight (lb)	Net 14,430; Payload 3,420; Gross 17,850
Front-axle gear ratio	6.8:1
Rear-axle (jackshaft) gear ratio	4.44:1
Axle load (lb):	
Empty	front 5,339; rear (each track) 4,545
Loaded	front 5,630; rear (each track) 6,110
Tires (combat):	
Ply 12	Size 8.25 x 20; Pressure (psi) 55
Tread, center-to-center, front	(in.) 63 3/8
Track ground pressure (loaded)	(psi) 10.9
Shipping dimensions, uncrated	(cu ft) 1,005; (sq ft) 135
Vehicle dimensions:	
Ground clearances	(in.) 17 1/4
Pintle height (loaded)	(in.) 28
Electrical system	(volts) 12
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 60
Cooling system	(qt) 26
Crankcase, refill	(qt) 10 1/2
Transmission and transfer	(qt) w/o PTO 7 1/2; w/PTO 9
Axles	(qt) front 3 1/2; rear 6
Winch:	
Load capacity	(lb) 10,000
Oil capacity	(qt) 2
Brakes: Manufacturer; Bendix	Type; hydrovac
Parking brake, type	transfer
Transmission for ward speeds	4
Gear ratio	High 1:1; Low 4.92:1
Transfer speeds	2
Gear ratio	High 1:1; Low 2.48:1

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 30
Fording depth	(in.) 32
Fuel consumption, loaded	(mpg) 3 1/2
Cruising range, loaded	(mi) 210
Allowable speed, recommended	(mph) 45
Maximum recommended towed load, gross, off highway	(lb) 4,500

ENGINE

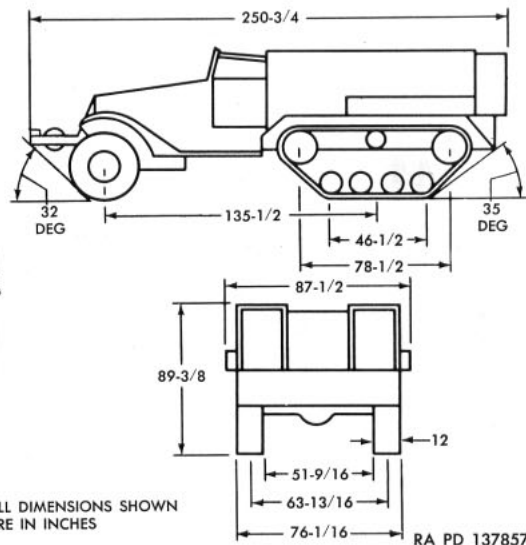
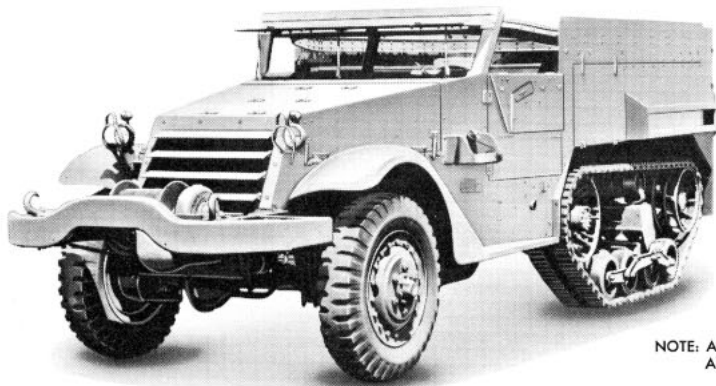
Manufacturer: White	Model 160AX
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 386
Bore	(in.) 4
Stroke	(in.) 5 1/4
Compression ratio	6.44:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	127 at (rpm) 3,000
Torque (max)	325 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Data given for vehicle w/winch. Data changes for vehicle w/o winch and w/roller are as follows: Weight (lb): Net 14,000; Payload 3,850, Axle load (lb): Empty, front 4,329; rear (each track) 5,050; Loaded, front 5,200; rear (each track) 6,325. Over-all length (in.) 243 3/4. Shipping dimensions, (cu ft) 978; (sq ft) 132. Angle of approach (deg) 37.

Equipped w/controller for trailer electric brakes.
Live axles, type.....spiral-bevel, full-floating
Transmission, type.....constant-mesh

CARRIER, 81-MM MORTAR, HALF-TRACK, M4A1



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-710, 9-1710, 9-1710C, 9-1711, 9-1827B, 9-1827C, 9-1828A, 9-1829A; Supply Catalog: SNL G-102

Classification: Limited standard.

Armament: 1 mortar, 81-mm, mounted on floor at rear of vehicle; 1 gun, machine, cal. .30, Browning, M1919A4 (flexible) skate mounted on gun ring running completely around inside of body.

GENERAL DATA

Crew	8
Weight (lb)	Net 15,750; Payload 4,390; Gross 20,140
Front-axle gear ratio	6.8 : 1
Rear-axle (jackshaft) gear ratio	4.44 : 1
Axle load (lb):	
Empty	front 5,830; rear (each track) 4,960
Loaded	front 7,460; rear (each track) 6,340
Tires (combat):	
Ply 12	Size 8.25 x 20; Pressure (psi) 55
Tread, center-to-center, front	(in.) 63 3/4
Track ground pressure (loaded)	(psi) 11.4
Shipping dimensions, uncrated	(cu ft) 1,140; (sq ft) 153
Vehicle dimensions:	
Ground clearance	(in.) 17 1/4
Pintle height (loaded)	(in.) 28
Electrical system	(volts) 12
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 60
Cooling system	(qt) 26
Crankcase, refill	(qt) 10 1/4
Transmission and transfer (qt)	w/o PTO 7 1/4; w/PTO 9
Axles (qt)	front 3 1/4; rear 6
Winch:	
Load capacity	(lb) 10,000
Oil capacity	(qt) 2
Brakes: Manufacturer; Bendix	Type; hydrovac
Parking brake, type	transfer
Transmission for ward speeds	4
Gear ratio	High 1:1; Low 4.92:1
Transfer speeds	2
Gear ratio	High 1:1; Low 2.48:1

Purpose: To provide mobility for 81-mm mortar, and protection for crew.

Ammunition: 96 rounds, 81-mm, 2,000 rounds, cal. .30; 540 rounds cal. .45, for submachine gun; 10 hand grenades; 14 mines, antitank w/fuze.

Fire Control and Vision Devices: Sight, M6.

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 30
Fording depth	(in.) 32
Fuel consumption, loaded	(mpg) 3 1/4
Cruising range, loaded	(mi) 210
Allowable speed, recommended	(mph) 45
Maximum recommended towed load, gross, off highway	(lb) 4,500

ENGINE

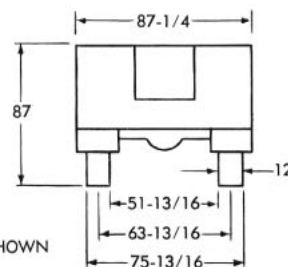
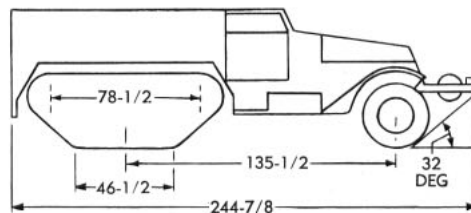
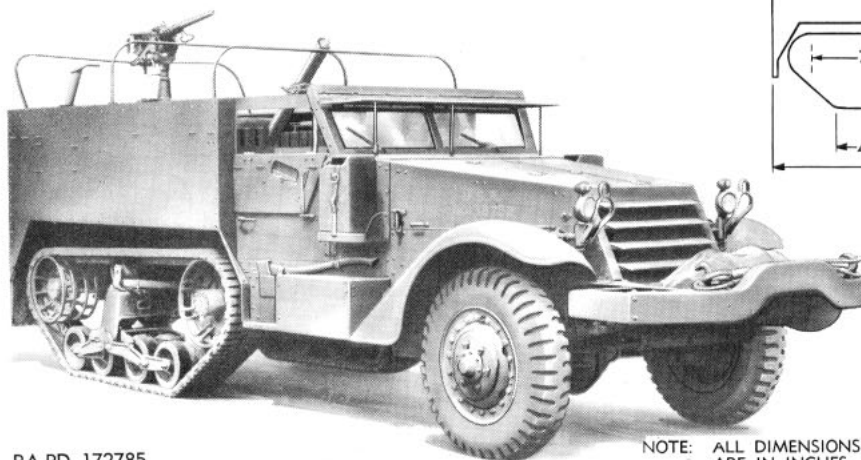
Manufacturer: White	Model 160AX
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 386
Bore	(in.) 4
Stroke	(in.) 5 1/4
Compression ratio	6.44 : 1
Governed speed	not governed
Brake horsepower (max w/std accessories)	127 at (rpm) 3,000
Torque (max)	325 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Data given for vehicle w/winch. Data changes for vehicles w/o winch and w/roller are as follows: Weight (lb): Net 15,320; Payload 4,820. Axle load (lb): Empty, front 4,596, rear (each track) 5,362; Loaded, front 6,150, rear (each track) 6,995. Over-all length (in.) 243 3/4. Shipping dimensions (cu ft) 1,103, (sq ft) 148. Angle of approach (deg) 37. Equipped w/controller for trailer electric brakes.

Live axles, type.....spiral-bevel, full-floating
Transmission, type.....constant-mesh

CARRIER, 81-MM MORTAR, HALF-TRACK, M21



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172785

Technical Manuals: 9-710, 9-1710, 9-1710C, 9-1711, 9-1827B, 9-1827C, 9-1828A, 9-1829A; Supply Catalog: SNL G-102

Classification: Standard.

Armament: 1 mortar, 81-mm, M1, mounted on floor at center of body (forward firing only); 1 gun, machine, cal. .50, Browning, M2, heavy barrel (flexible), pedestal mounted at rear of body.

GENERAL DATA

Crew	6
Weight (lb)	Net 15,500; Payload 4,500; Gross 20,000
Front-axle gear ratio	6.8:1
Rear-axle (jackshaft) gear ratio	4.44:1
Axle load (lb):	
Empty	front 5,735; rear (each track) 4,883
Loaded	front 6,900; rear (each track) 6,550
Tires (combat):	
Ply 12	Size 8.25 x 20; Pressure (psi) 55
Tread, center-to-center, front	(in.) 63 3/16
Track ground pressure (loaded)	(psi) 11.7
Shipping dimensions, uncrated	(cu ft) 1,100; (sq ft) 152
Vehicle dimensions:	
Ground clearance	(in.) 17 1/2
Pintle height (loaded)	(in.) 28
Electrical system	(volts) 12
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 60
Cooling system	(qt) 26
Crankcase, refill	(qt) 10 1/2
Transfer and transmission	(qt) 9
Axles (qt)	front 3 1/2; rear 6
Winch:	
Load capacity	(lb) 10,000
Oil capacity	(qt) 2
Brakes:	
Manufacturer; Bendix	Type; hydrovac
Parking brake, type	transfer
Transmission for forward speeds	4
Gear ratio	High 1:1; Low 4.92:1
Transfer speeds	2
Gear ratio	High 1:1; Low 2.48:1

Purpose: To provide a self-propelled mount for 81-mm mortar.

Ammunition: 97 rounds, 81-mm; 400 rounds, cal. .50; 600 rounds, cal. .45, for submachine gun; 12 hand grenades; 12 mines, antitank w/fuze.

Fire-Control and Vision Devices: Sight, M6.

Communications: (SCR-510) and (SCR-509); or (AN/VRC-8, -9, or -10).

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 60
Turning radius	(ft) 30
Fording depth	(in.) 32
Fuel consumption, loaded	(mpg) 3 1/2
Cruising range, loaded	(mi) 210
Allowable speed, recommended	(mph) 45
Maximum recommended towed load, gross, off highway	(lb) 4,500

ENGINE

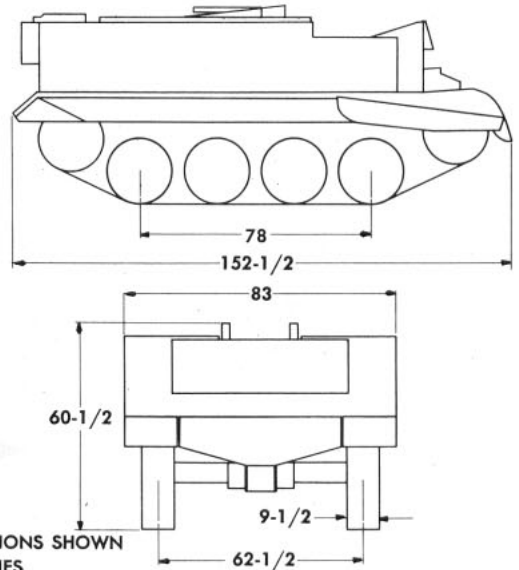
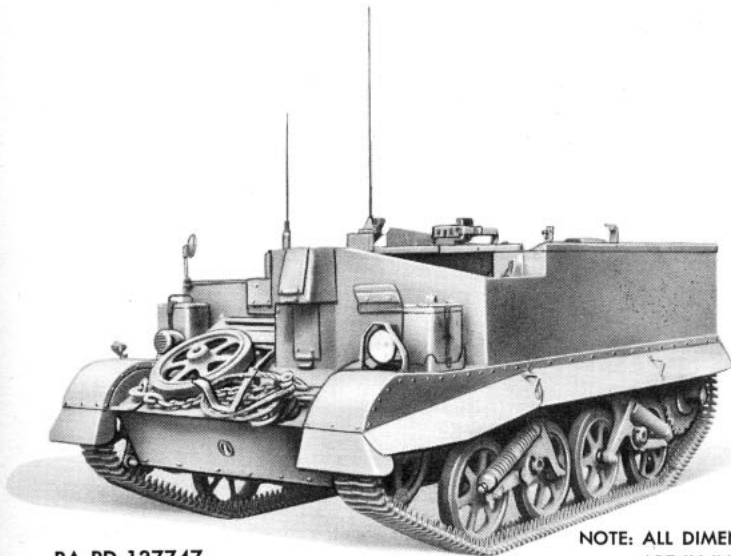
Manufacturer: White	Model 160AX
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 386
Bore	(in.) 4
Stroke	(in.) 5 1/2
Compression ratio	6.44:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	127 at (rpm) 3,000
Torque (max)	325 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Equipped w/controller for trailer electric brakes.
Live axles, type.....spiral-bevel, full floating
Transmission, type.....constant-mesh

CARRIER, UNIVERSAL, T16

(Universal Bren Carrier)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137747

Technical Manuals: 9-746, 9-1746A, 9-1746B, 9-1825B, 9-1828A, 9-1829A; Supply Catalog: SNL G-166.

Classification: Nonclassified.

Purpose: To transport personnel or cargo and provide crew protection.

GENERAL DATA

Crew	4
Weight (lb)	Net 7,756; Crew and equipment 1,684; Gross 9,440
Shipping dimensions, uncrated	(cu ft) 445; (sq ft) 88
Ground pressure	(psi) 6.4
Ground clearance	(in.) 11 1/4
Electrical system	(volts) 12
No. of batteries	(12-volt) 1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 24
Cooling system	(qt) 24 1/2
Crankcase, refill (including cooler)	(qt) 6
Transmission	(qt) 2 1/2
Differential (including oil reservoir and cooler)	(qt) 7
Brakes:	
Mechanical differential steering brakes, hand-lever controlled. Also mechanical sprocket-hub brakes, both pedal and hand-lever controlled.	
Parking brake, type	lever for locking sprocket-hub brakes
Transmission for forward speeds	4
Gear ratio	High 1:1; Third 1.69:1; Low 6.4:1
Differential-drive gear ratio	5.83:1
Hull construction	watertight welded

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 17
Fording depth	(in.) 36
Maximum width of ditch vehicle can cross	(in.) 36
Maximum vertical obstacle vehicle can climb	(in.) 24
Fuel consumption (average conditions)	(mpg) 5
Cruising range (average conditions)	(mi) 120
Allowable speed, governed	(mph) 33

ENGINE

Manufacturer: Ford	Model 29W
Type	4-cycle, L-head; No. of cylinders (90-deg V) 8
Displacement	(cu in.) 239
Bore	(in.) 3 1/4
Stroke	(in.) 3 3/4
Compression ratio	6.4:1
Governed speed	(rpm) 3,800
Brake horsepower (max w/std accessories)	100 at (rpm) 3,800
Torque (max w/std accessories)	176 lb-ft at (rpm) 2,000
Type of ignition	distributor

ADDITIONAL DATA

Differences among models: The universal carrier T16 is equipped with four bogie wheels on each side, while the previous Canadian carriers were equipped with three bogie wheels on each side.

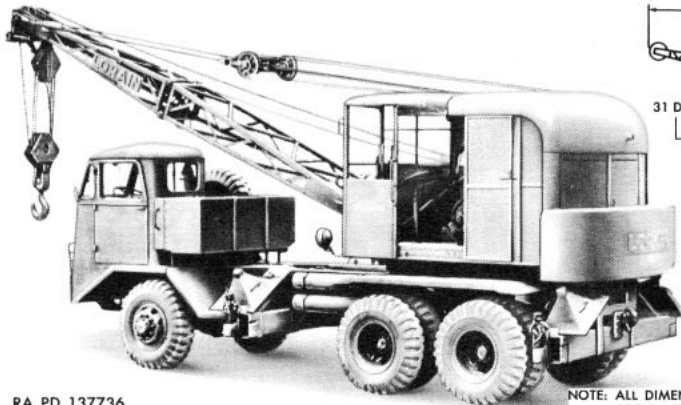
Right-hand drive.

Transmission, type.....selective sliding-gear

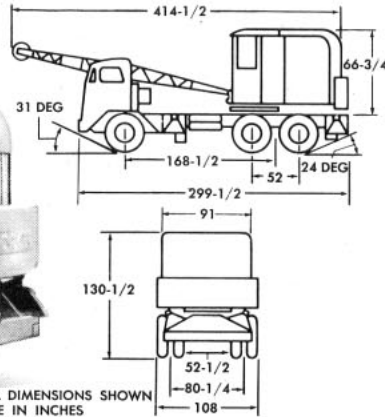
CRANE, TRUCK MOUNTED, M2

(Thew Shovel, Model MC 6 x 6)

Used w/TRAILER, 3-Ton, 2-Wheel, Clamshell, M16



RA PD 137736



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-771, 9-1825A, 9-1826C, 9-1827A, 9-1828A, 9-1829A; Supply Catalog: SNL G-172.

Classification: Standard.

Purpose: To provide mobility for crane equipment.

GENERAL DATA

Crew.....	2
Weight (lb).....	Gross 53,500
Axle gear ratio.....	8.43:1
Axle load (lb): Loaded.....	front 8800; rear (each) 22,350
Tires:	
Ply 14.....	Size 12.00 x 20; Pressure (psi) 85
Tread, center-to-center, front.....	(in.) 75
Shipping dimensions, uncrated.....	(cu ft) 3,382; (sq ft) 311
Vehicle dimensions:	
Ground clearance.....	(in.) 11
Pintle height, loaded.....	(in.) 33
Electrical system.....	(volts) 12
No. of batteries.....	(6-volt) 2
Fuel octane rating.....	70
Capacities:	
Fuel.....	(gal) 100
Cooling system.....	(qt) 64
Crankcase, refill.....	(qt) 16
Transfer.....	(qt) 4
Transmission.....	(qt) 11
Axles (each).....	(qt) 10
Brakes:	
Manufacturer; Bendix-Westinghouse.....	Type, air
Parking brake, type.....	transfer
Transmission forward speeds.....	4
Gear ratio.....	High 1:1; Low 6.54:1
Transfer speeds.....	2
Gear ratio.....	High 1:1; Low 2.55:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....	(percent) 60
Turning radius (ft).....	right 45; left 47½
Fording depth.....	(in.) 30
Fuel consumption, loaded.....	(mpg) 2
Cruising range, loaded.....	(mi) 200
Allowable speed, governed.....	(mph) 30
Maximum recommended towed load, gross.....	(lb) 24,000

ENGINE

Manufacturer: Hercules.....	Model HXC
Type.....	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement.....	(cu in.) 779
Bore.....	(in.) 5¼
Stroke.....	(in.) 6
Compression ratio.....	5.69:1
Governed speed.....	(rpm) 2,100
Brake horsepower (max w/std accessories).....	179 at (rpm) 2,100
Torque (max w/std accessories).....	555 lb-ft at (rpm) 900

ADDITIONAL DATA

Turntable engine:	
Manufacturer: Waukesha.....	Model MZR
Type.....	4-cycle, L-head; No. of cylinders (in line) 6
Displacement.....	(cu in.) 404; Bore 4¼; Stroke 4¼
Governed speed.....	(rpm) 1,375
Brake horsepower (max w/std accessories).....	70 at (rpm) 1,375
Torque (max w/std accessories).....	270 lb-ft at (rpm) 1,375
Capacities:	
Fuel tank.....	(gal) 50
Cooling system.....	(qt) 32
Crankcase.....	(qt) 11
Electrical system.....	(volts) 6
No. of batteries.....	1
Turntable assembly:	
Counterweight over-all width.....	(in.) 94
Cab width.....	(in.) 91
Tail swing (center of rotation to rear of counterweight).....	(in.) 107
Boom foot pin to ground.....	(in.) 70½
Boom foot pin to center of rotation.....	(in.) 27
Swing speed.....	(rpm) 4.19
Hoist speed (rope speed).....	(fpm) 149.8
Boom hoisting time, from horizontal to 10-ft radius.....	(sec) 45

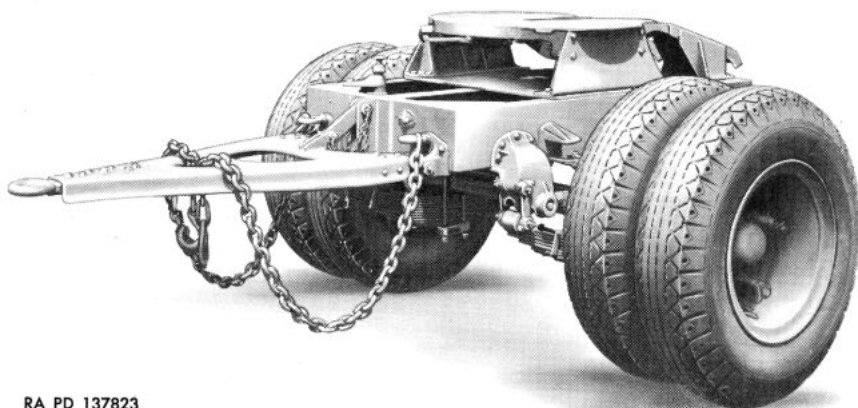
Lifting capacity:

	Outriggers extended	Outriggers retracted
Boom radius		
11 ft.....	40,000 lb	21,850 lb
12 ft.....	36,680 lb	19,350 lb
15 ft.....	29,050 lb	14,350 lb
18 ft.....	24,000 lb	11,350 lb
20 ft.....	21,500 lb	9,950 lb

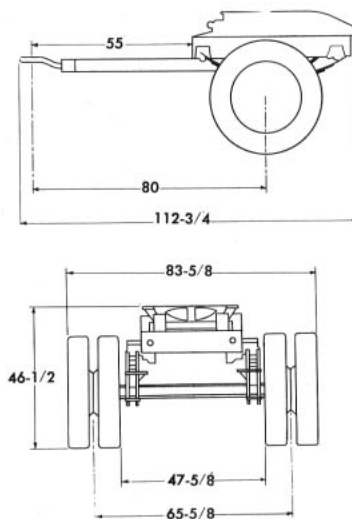
For trailer data, see page 130.

DOLLY, TRAILER CONVERTER, LIGHT DUTY, 3-TON 2-WHEEL, M363 (Fruehauf, Model DC3)

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137823



Supply Catalog: SNL G-708.

Classification: Standard.

Purpose: To convert semitrailers up to 15,000 lb gross weight to full trailers.

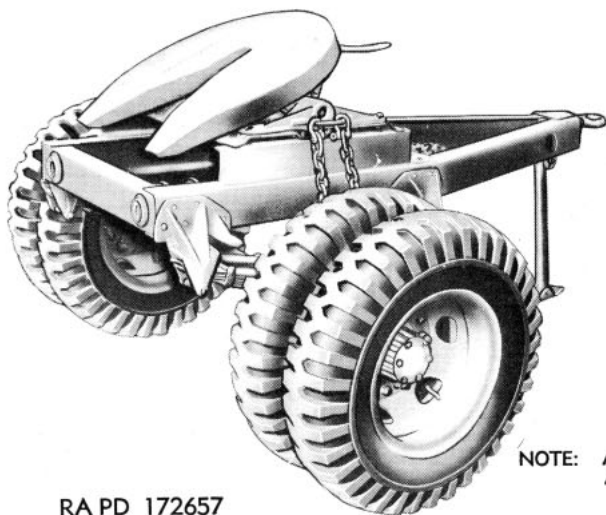
GENERAL DATA

Weight (lb).....Net 1,765; Payload 7,000; Gross 8,765
Weight distribution (lb):
 Empty.....axle 1,715; lunette 50
 Loaded.....axle 8,715; lunette 50
Tires.....Ply 8; Size 7.50 x 20; Pressure (psi) 55
Shipping dimensions, uncrated.....(cu ft) 251; (sq ft) 65
Vehicle dimensions:
 Ground clearance.....(in.) 13 3/4
 Center of fifth wheel to center of axle.....(in.) 2
 Height to center of fifth wheel.....(in.) 46 3/4
 Fifth wheel.....Size (in.) 33; Type: rigid semi-automatic
Brakes, service.....none
 Parking brake.....none
Towing vehicle to be used.....truck, 1 1/4-ton, 4 x 2

ADDITIONAL DATA

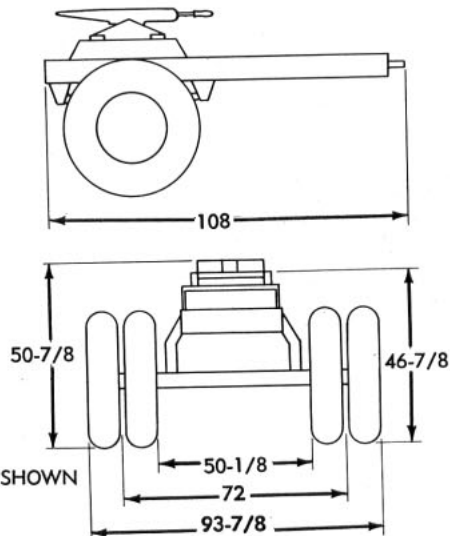
DOLLY, TRAILER CONVERTER, 6-TON, 2-WHEEL, M364

(Heil, Model D2)



RA PD 172657

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



Technical Manual: 9-846; Supply Catalog: SNL G-745.

Classification: Standard.

Purpose: To convert semitrailer to full trailer.

GENERAL DATA

Weight (lb).....Net 2,000; Payload 9,000; Gross 11,000
Tires.....Ply 10; Size 9 x 20; Pressure (psi) 65
Shipping dimensions, uncrated.....(cu ft) 300; (sq ft) 71
Vehicle dimensions:
Ground clearance.....(in.) 16 3/4
Fifth wheel.....Size (in.) 30; Type: semiautomatic
Brakes.....none
Minimum towing vehicle to be used.....Truck, 2 1/2-ton, 4 x 2

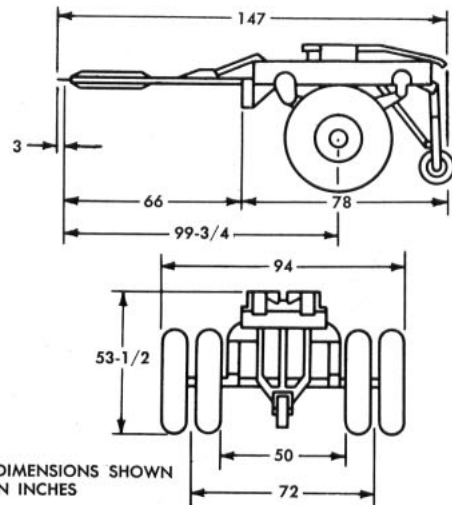
ADDITIONAL DATA

DOLLY, TRAILER CONVERTER, 8-TON, 2-WHEEL

(Fruehauf; Signal Corps Models K83 and K83A)



RA PD 137726



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manual: 9-846; Supply Catalog: SNL G-695.

Classification: Standard.

Purpose: To convert Signal Corps semitrailers, Models K78A and K78B to full trailers.

GENERAL DATA

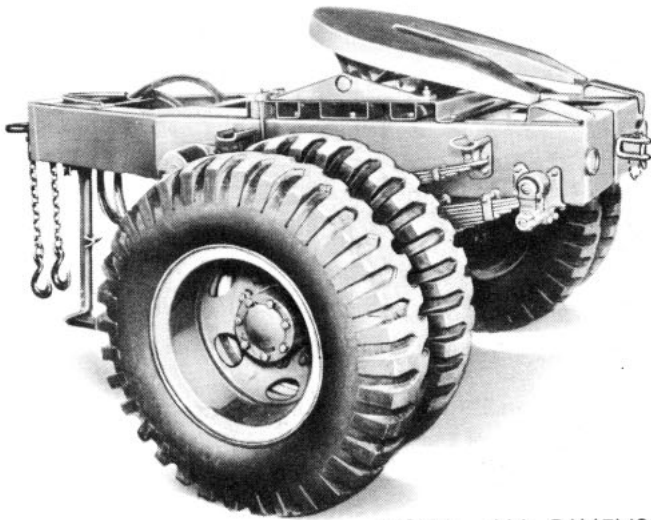
Weight (lb).....Net 3,000; Payload 15,000; Gross 18,000
Fifth wheel.....Size (in.) 30; Type, rigid, semiautomatic
Tires.....Ply 10; Size 9.00 x 20; Pressure (psi) 65
Shipping dimensions, uncrated (drawbar removed)....(cu ft) 299; (sq ft) 52
Ground clearance.....(in.) 15 3/4
Brakes.....none
Towing vehicle to be used.....truck, 2 1/4-ton, 4 x 2

ADDITIONAL DATA

Hinged drawbar—optional hinge height, 40 or 32 inches. Lock provides rigid drawbar for transporting dolly with vehicle having 18-, 29-, or 4-inch pintle height. Equipped with taillights for protection when towed. Overall length given with drawbar in horizontal position, and landing gear down.

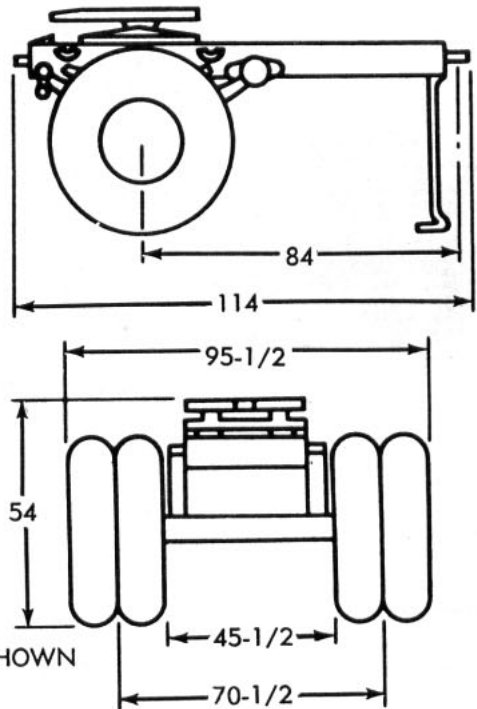
DOLLY, TRAILER CONVERTER, 10-TON, 2-WHEEL, M365

(Springfield Auto Works, Production Engineering)



RA PD 172691

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



Technical Manuals: 9-892, 9-846; Supply Catalog: SNL G-676.

Classification: Standard.

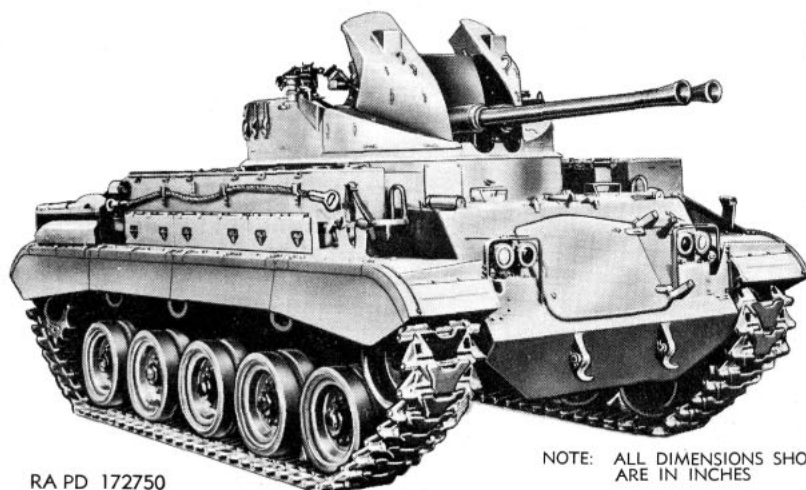
Purpose: To convert semitrailer, cargo, 10-ton, to full trailer.

GENERAL DATA

Weight (lb).....Net 3,380; Payload 12,520; Gross 15,900
Fifth wheel.....Size (in.) 30; Type, Semiautomatic
Tires.....Ply 14; Size 11.00 x 20; Pressure (psi) 80
Shipping dimensions, uncrated.....(cu ft) 340; (sq ft) 76
Ground clearance.....(in.) 16
Brakes.....none
Towing vehicle to be used.....truck, 4- to 5-ton, 4 x 4

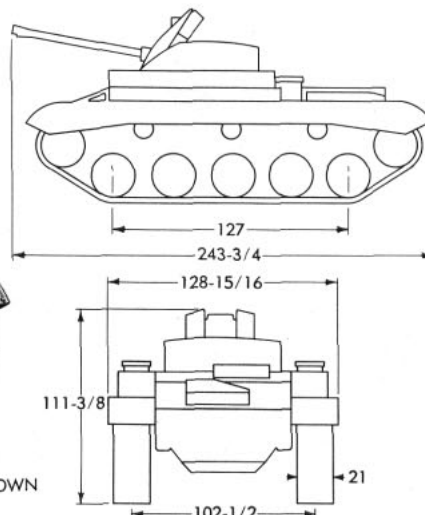
ADDITIONAL DATA

GUN, TWIN 40-MM, SELF-PROPELLED, T141



RA PD 172750

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



Technical Manuals: 9-1730B, 9-1730F, 9-1825C, 9-1826B, 9-1828A, 9-1829A; Supply Catalog: SNL G-253.

Armament: Gun, dual automatic, 40MM, M2A1, turret mounted; 1 gun, machine, cal. .30, Browning, M1919A4 (flexible) pedestal mounted at rear of turret.

Ammunition: 480 rounds, 40-MM; 1,750 rounds, cal. .30, machine gun; 360 rounds, cal. .30, carbine; 8 hand grenades; 4 rockets.

GENERAL DATA

Crew	6
Weight, fighting	(lb) 43,000
Shipping dimensions	(cu ft) 1,900; (sq ft) 205
Ground pressure	(psi) 8
Ground clearance	(in.) 17 5/16
Pintle height, loaded	(in.) 30 1/2
Electrical system	(volts) 24
No. of batteries	4
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 140
Crankcase, refill	(qt) 44
Transmission	(qt) 32
Brakes:	
Hand-lever controlled, hydraulic, multiple-disk steering brakes.	
Pedal operates them as service brakes.	
Parking brake, type	Lever for locking service brakes
No. of ranges (high, low, and reverse)	3
Ratio from engine output shaft to torque-converter input shaft	0.769:1
Torque-converter stall ratio	4:1
Ratio from torque-converter output shaft to final-drive flange:	
High range	1.4:1; Low range 5.34:1
Final-drive gear ratio	4.25:1
Turret ring inside diameter	(in.) 31

Purpose: To provide a mobile antiaircraft weapon.

Fire-Control and Vision Devices: Periscope, M13 (vision and commander's); quadrant, gunner's, M1; sight, computing, T154; sight, reflex, M24C.

Communications: (AN/VRC-6 and AN/GRR-5 and AN/UIC-1).

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius (ft)	pivots in place
Fording depth	(in.) 48
Maximum width of ditch vehicle can cross	(in.) 72
Maximum vertical obstacle vehicle can climb	(in.) 28
Fuel consumption (average conditions)	(mpg) 0.7
Cruising range (average conditions)	(mi) 100
Maximum speed	(mph) 45
Maximum allowable towed load, gross	(lb) 5,000

ENGINE

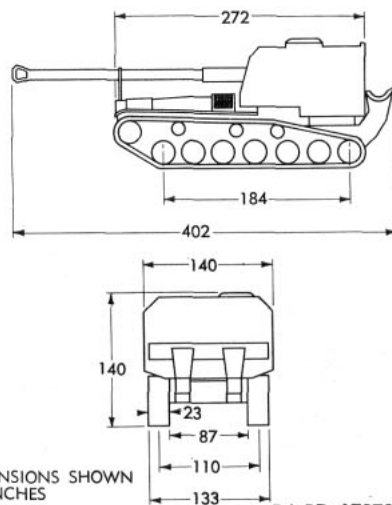
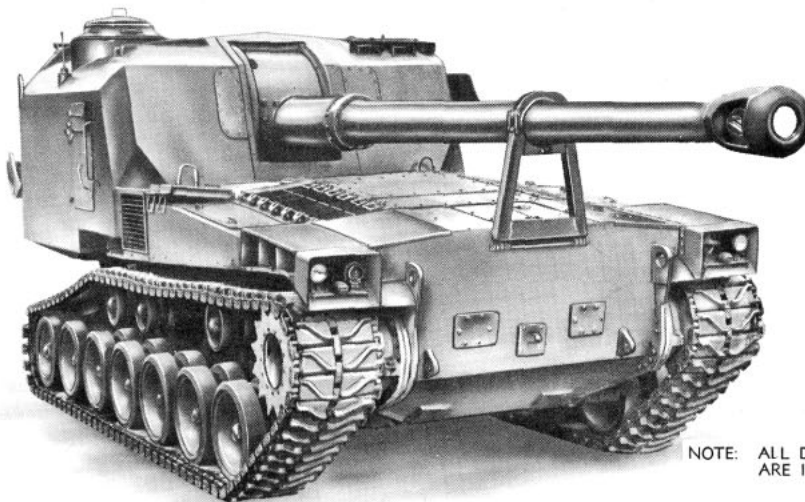
Manufacturer:	Continental	Model AOS-895-3
Type	4-cycle, valve-in-head, air-cooled	
No. of cylinders	(horizontal opposed)	6
Displacement	(cu in.)	895
Bore	(in.)	5 3/4
Stroke	(in.)	5 3/4
Compression ratio		5.5:1
Governed speed	(rpm)	2,800
Brake horsepower (max w/std accessories)	446 at (rpm)	2,400
Torque (max w/std accessories)	890 lb-ft at (rpm)	2,200
Type of ignition		magneto

ADDITIONAL DATA

Equipped with manual and power traversing and elevating mechanism. Data given for vehicle equipped with track, rubber-backed-steel, T91E3 w/detachable rubber grousers.

Auxiliary generator set: Engine, GMC model A41-1; generator, Delco, model GM-A-8585.

GUN, 155-MM, SELF-PROPELLED, T97



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172707

Technical Manuals: 9-1718F, 9-1730F, 9-1825C, 9-1825E, 9-1826B, 9-1828A, 9-1829A; Supply Catalog: SNL G-259.

Armament: 1 gun, 155-mm, T8D; 1 gun, machine, cal. .50, Browning, M2, heavy barrel (flexible) mounted on top of turret.

Ammunition: 20 rounds, 155-mm; 945 rounds, cal. .50; 180 rounds, cal. .45 submachine gun; 1,050 rounds, cal. .30 carbine; 8 hand grenades.

Purpose: To provide mobility for 155-mm gun, and crew protection in offensive combat.

Fire-Control and Vision Devices: Periscope, M17 (vision); periscope, M15 (commander's); telescope, T159 (sight); telescope, panoramic, T149 (sight).

Communications: (SCR-619 or AN/PRC-9) and (RC-99).

GENERAL DATA

Crew	6
Weight, fighting	(lb) 90,000
Shipping dimensions, uncrated	(cu ft) 4,550; (sq ft) 390
Ground pressure	(psi) 10.6
Ground clearance	(in.) 18½
Pintle height, loaded	(in.) 25
Electrical system	(volts) 24
No. of batteries	(12-volt) 4
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 350
Crankcase, refill	(qt) 104
Transmission, cross-drive (including cooler)	(qt) 96
Final drive	(each) (qt) 5
Brakes:	
Hand-lever controlled, hydraulic, multiple-disk steering brakes. Pedal operates them as service brakes.	
Parking brake, type	Lever for locking service brakes
Ratio from engine output shaft to torque converter input shaft	1.162:1
Ratio from torque converter output shaft to final drive flange	
High range	1.4:1; Low range 4.93:1
No. of ranges (High, low and reverse)	3
Torque converter stall ratio	4:1
Final-drive gear ratio	5.0769:1
Hull construction	Welded homogeneous armor plates and castings
Turret-ring inside diameter	(in.) 67½

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius (ft)	Pivots in place
Fording depth	(in.) 48
Maximum width of ditch vehicle can cross	(in.) 96
Maximum vertical obstacle vehicle can climb	(in.) 48
Fuel consumption (average conditions)	(mpg) 0.4
Cruising range (average conditions)	(mi) 150
Allowable speed, recommended	(mph) 35
Maximum allowable towed load, gross	(lb) 5,000

ENGINE

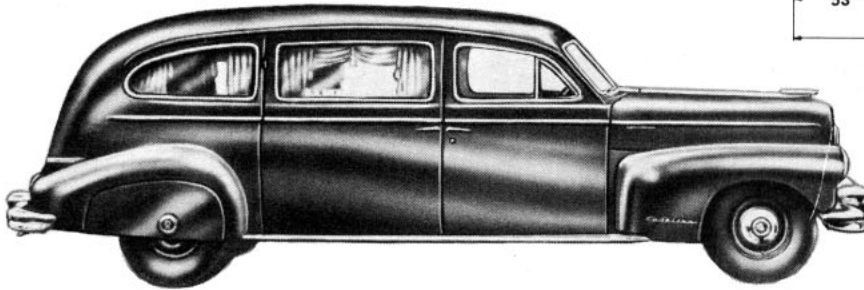
Manufacturer:	Continental	Model	AV-1790-5B
Type:	4-cycle, valve-in-head, air-cooled No. of cylinders		
	(90-deg V) 12		
Displacement	(cu in.) 1,790		
Bore	(in.) 5¼		
Stroke	(in.) 5¼		
Compression ratio	6.5:1		
Governed speed	(rpm) 2,950		
Brake horsepower (max w/std accessories)	810 at (rpm) 2,800		
Torque (max w/std accessories)	1,560 lb-ft at (rpm) 2,400		
Type of ignition	magneto		

ADDITIONAL DATA

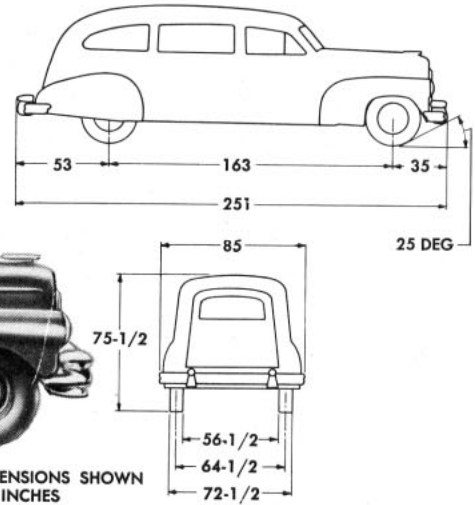
Auxiliary generator set: Engine, GMC model A41-I; Generator, Delco, Model GM-A-8585.
Data given for vehicle equipped with track, steel, T80E6.
Track, rubber T84E1 is interchangeable.

HEARSE, 3/4-TON, 4 x 2

(Watson Automotive; Cadillac Model 4876 w/Superior Hearse Body, 1948)



RA PD 137742



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Classification: Standard.

Purpose: To transport deceased personnel.

GENERAL DATA

Crew.....	2
Weight (lb).....	Net 5,750; Pay load 1,500; Gross 7,250
Rear-axle gear ratio.....	Standard 4.27:1; Hydramatic 3.77:1
Axle load (lb):	
Empty.....	front 2,775; rear 2,975
Loaded.....	front 3,425; rear 3,825
Tires:	
Ply 6.....	Size 7.50 x 16; Pressure (psi) front 34; rear 36
Tread, center-to-center, front.....	(in.) 58 1/4
Shipping dimensions, uncrated.....	(cu ft) 933; (sq ft) 149
Ground clearance.....	(in.) 9
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	80
Capacities:	
Fuel.....	(gal) 24
Cooling system (qt).....	w/o heater 25; w/heater 26
Crankcase, refill.....	(qt) 7
Transmission.....	(qt) 1 1/4
Axle.....	(qt) 2 1/4
Brakes:	
Manufacturer; Bendix.....	Type; hydraulic
Parking brake, type.....	rear-wheel
Transmission for forward speeds	Standard 3; Hydramatic 4
Gear ratio:	
Standard.....	High 1:1; Low 2.39:1
Hydramatic.....	High 1:1; Low 3.819:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....	(percent) 25
Turning radius.....	(ft) 28 1/2
Fording depth.....	(in.) 9
Fuel consumption, loaded.....	(mpg) 8
Cruising range, loaded.....	(mi) 192
Allowable speed, recommended.....	(mph) 70

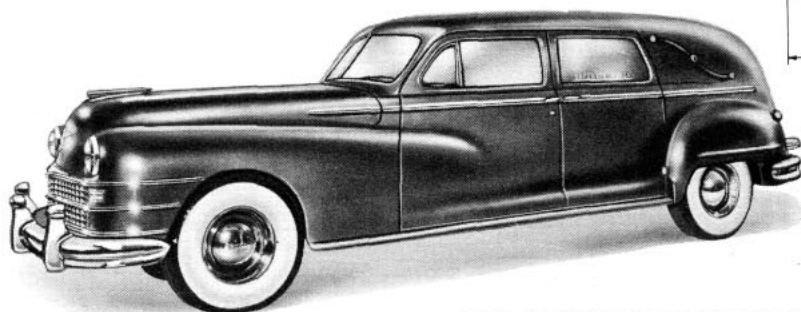
ENGINE

Manufacturer: Cadillac.....	Model 1948
Type.....	L-head, 4-cycle; No. of cylinders (90-deg V) 8
Displacement.....	(cu in.) 346
Bore.....	(in.) 3 1/4
Stroke.....	(in.) 4 1/4
Compression ratio.....	7.25:1
Governed speed.....	not governed
Brake horsepower (max w/std accessories).....	130 at (rpm) 3,200
Torque (max).....	272 lb-ft at (rpm) 1,800

ADDITIONAL DATA

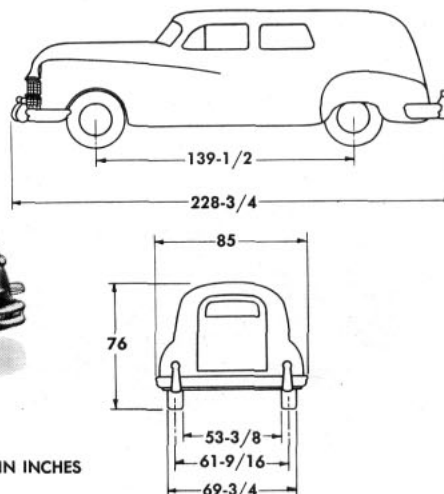
HEARSE, 3/4-TON, 4 x 2

(Watson Automotive, Chrysler Model C38 w/ Superior Body, 1948-49)



RA PD 137752

NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES



Classification: Nonclassified.

Purpose: To transport deceased personnel.

GENERAL DATA

Crew	1
Weight (lb)	Net 4,330; Payload 1,000; Gross 5,330
Rear-axle gear ratio	3.73
Axle load (lb):	
Empty	front 2,205; rear 2,125
Loaded	front 2,605; rear 2,725
Tires:	
Ply 4	Size 7.60 x 15; Pressure (psi) 24
Tread, center-to-center, front	(in.) 57 1/2
Shipping dimensions, uncrated	(cu ft) 855; (sq ft) 135
Ground clearance	(in.) 9 3/4
Electrical system	(volts) 6
No. of batteries	1
Type of ground	positive
Fuel octane rating	75
Capacities:	
Fuel	(gal) 20
Cooling system (qt)	w/o heater 17; w/heater 18
Crankcase, refill	(qt) 5
Transmission	(qt) 1 1/2
Rear axle	(qt) 1 3/4
Brakes:	
Manufacturer; Chrysler	Type; hydraulic
Parking brake, type	transmission
Transmission forward speeds	4
Gear ratio	High 1:1; Low 3.57:1

PERFORMANCE

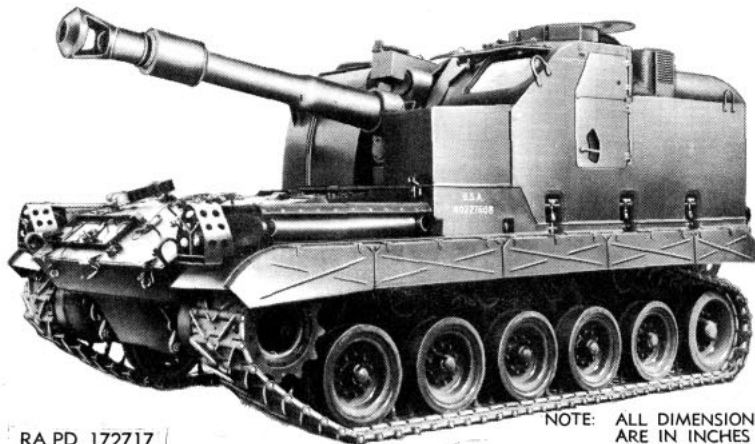
Computed grade ability in lowest gear, loaded	(percent) 31
Turning radius	(ft) 23
Fuel consumption, loaded	(mpg) 13
Cruising range, loaded	(mi) 260
Allowable speed, recommended	(mph) 70

ENGINE

Manufacturer; Chrysler	Model C38
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 250.6
Bore	(in.) 3 3/4
Stroke	(in.) 4 1/4
Compression ratio	6.6:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	114 at (rpm) 3,600
Torque (max)	204 lb-ft at (rpm) 1,200

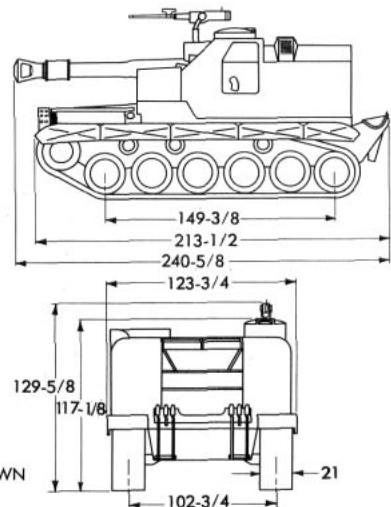
ADDITIONAL DATA

HOWITZER, 155-MM, SELF-PROPELLED, T99E1



RA PD 172717

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



Technical Manuals: 9-1730B, 9-1730F, 9-1825C, 9-1825E, 9-1826B, 9-1828A; Supply Catalog: SNL G-257.

Armament: 1 Howitzer, 155-mm, T97E1, turret mounted; 1 gun, machine, cal. .50, Browning, M2, heavy barrel (flexible) pedestal mounted on top of turret.

Ammunition: 30 rounds, 155-mm; 945 rounds, cal. .50; 180 rounds, cal. .45 for sub-machine-gun; 840 rounds, cal. .30 carbine; 8 hand grenades.

Purpose: To provide high mobility for 155-mm howitzer to give close support to rapidly moving armored or infantry columns.

Fire-Control and Vision Devices: Periscope, M17 (vision); periscope, M15A1 (commander's); telescope, T153 (sight); telescope, panoramic, T149E1 (sight).

Communications: (SCR-610 or SCR-619) and (AN/VIA-1).

GENERAL DATA

Crew	5
Weight, fighting	(lb) 60,000
Shipping dimensions, uncrated	(cu ft) 2,130; (sq ft) 219
Ground pressure	(psi) 9.5
Ground clearance	(in.) 18 3/4
Pintle height, loaded	(in.) 23 3/4
Electrical system	(volts) 24
No. of batteries	4
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 152
Crankcase, refill	(qt) 44
Auxiliary-engine crankcase	(qt) 3 1/2
Transmission, cross-drive (including cooler)	(qt) 72
Final drive	(each) (qt) 5
Brakes:	
Hand-lever-controlled, hydraulic, multiple-disk steering brakes.	
Pedal operates them as service brakes.	
Parking brake, type	Lever for locking service brakes
Ratio from torque converter output shaft to final drive flange:	
High range 1.41:1; Low range 5.34:1	
No. of ranges (high, low, and reverse)	3
Ratio from engine output shaft to torque converter input shaft	0.769:1
Torque-converter stall ratio	3.8:1
Final-drive gear ratio	4.25:1
Hull construction	welded homogeneous armor plate

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius (ft)	pivots in place
Fording depth	(in.) 48
Maximum width of ditch vehicle can cross	(in.) 72
Maximum vertical obstacle vehicle can climb	(in.) 30
Fuel consumption (average conditions)	(mpg) 0.5
Cruising range (average conditions)	(mi) 80
Maximum speed	(mph) 35
Maximum allowable towed load, gross	(lb) 5,000

ENGINE

Manufacturer: Continental	Model A OS-895-3
Type	4-cycle, valve-in-head, air cooled
No. of cylinders	(opposed) 6
Displacement	(cu in.) 895
Bore	(in.) 5 3/4
Stroke	(in.) 5 3/4
Compression ratio	5.5:1
Governed speed	(rpm) 2,800
Brake horsepower (max w/std accessories)	440 at (rpm) 2,800
Torque (max w/std accessories)	900 lb-ft at (rpm) 2,100
Type of ignition	magneto

ADDITIONAL DATA

Data given for vehicle equipped with track, rubber-backed-steel, T91E3 w/detachable rubber grousers.

Auxiliary generator set: Engine, GMC Model A41-1; generator, Delco Model GM-A-8585.

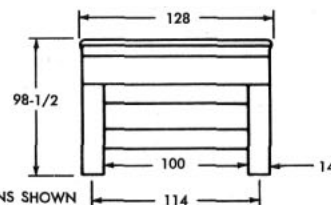
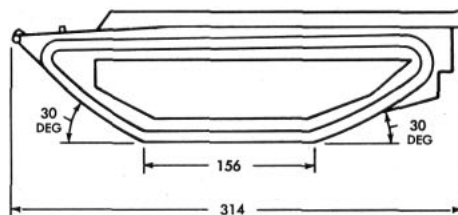
Manual and power turret-traversing mechanism.

Howitzer equipped with bore evacuator and muzzle brake.

LANDING VEHICLE, TRACKED, MK 4, LVT (4)



RA PD 137771



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-775, 9-1726A, 9-1726C, 9-1728, 9-1775, 9-1825A, 9-1826B, 9-1829A; Supply Catalog: SNL G-209.

Classification: Standard.

Armament: 2 guns, machine, cal. .50, Browning, M2, heavy barrel (flexible), pintle mounted at front of crew compartment; 3 guns, machine, cal. .30, Browning, M1919A4 (flexible), 1 ball mounted at right front of hull, 2 pintle mounted on sides of crew compartment.

Ammunition: 5,000 round, Cal. .30; 2,000 rounds, cal. .50; 450 rounds, cal. .45, for submachine guns; 24 hand grenades.

GENERAL DATA

Crew	2 to 7
Weight (lb)	Payload 9,000; Fighting 36,400
Shipping dimensions, uncrated	(cu ft) 2,290; (sq ft) 279
Ground pressure	(psi) 8.5
Ground clearance (in.)	18; (on soft ground) 15 1/4
Loaded waterline length	(in.) 296
Loaded freeboard (min)	(in.) 42
Loaded draft (in.)	Front 35 1/4; Rear 31
Cargo space to top of coaming	(in.) 63 3/4
Electrical system	(volts) 12
No. of batteries	(6-volt) 2
Type of ground	negative
Fuel octane rating	.80
Capacities:	
Fuel	(gal) 140
Transmission and differential	(qt) 24
Engine oil tank	(qt) 23
Final drives	(each) (qt) 3
Brakes	mechanical, controlled-differential
Parking brake, type	ratchet locks on steering brakes
Transmission forward speeds	5
Gear ratio	High 2.29:1; Low 5.37:1
Differential-drive gear ratio	2.76:1
Final-drive gear ratio	3.15:1
Hull construction	welded sheet steel

Purpose: To land personnel and cargo and transport it on rough terrain, swamp land, and water.

Fire-Control and Vision Devices: Periscope, M12 or M6 (vision).

Communications: (SCR-508 or AN/GRC-3, -4, -5, -6, -7, or -8) and (AN/GRC-9 or NAVY TCS); or (SCR-528 or AN/GRC-3, -4, -5, -6, -7, or -8) and (two AN/GRC-9 or two NAVY TCS).

PERFORMANCE

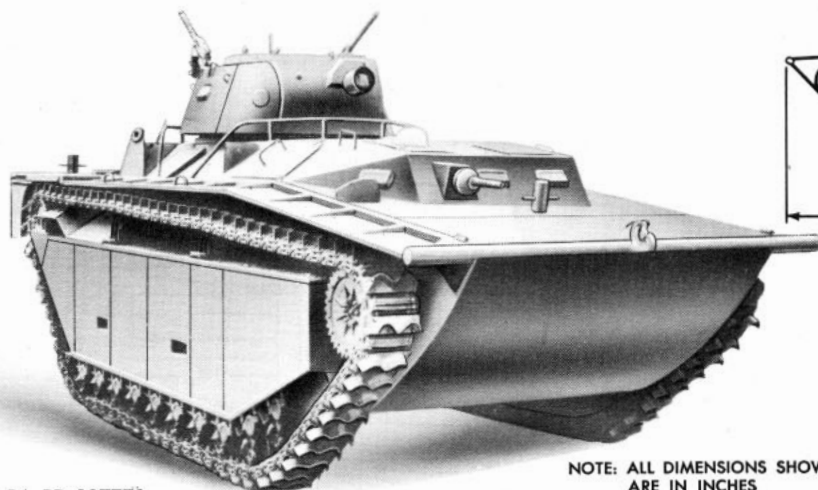
Maximum grade ability	(percent) 60
Turning radius (ft)	Water 48; Land 30
Fording depth	floats
Maximum width of ditch vehicle can cross	(in.) 60
Maximum vertical obstacle vehicle can climb	(in.) 36
Fuel consumption (average conditions)	(mpg) water 0.6; land 0.9
Cruising range (average conditions)	(mi) water 100; land 150
Allowable speed, governed	(mph) water 7; land 15

ENGINE

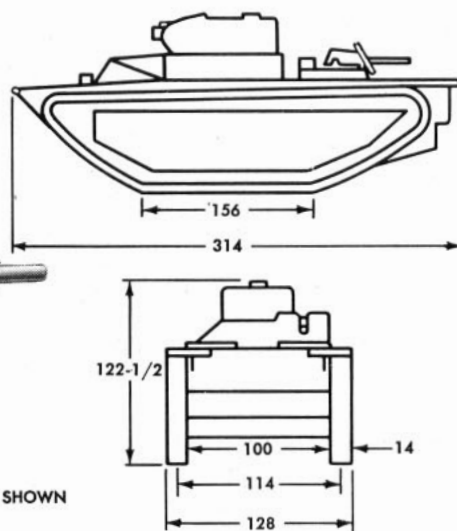
Manufacturer	Continental	Model W670-9A
Type	4-cycle, radial, air-cooled; No. of cylinders 7	
Displacement	(cu in.) 667.86	
Bore	(in.) 5 1/4	
Stroke	(in.) 4 1/4	
Compression ratio	6.1:1	
Governed speed	(rpm) 2,400	
Brake horsepower (max w/std accessories)	250 at (rpm) 2,400	
Torque (max w/std accessories)	578 lb-ft at (rpm) 1,600	
Type of ignition	magneto	

ADDITIONAL DATA

LANDING VEHICLE, TRACKED, (ARMORED), MK 4, LVT (A) (4) AND MK 5, LVT (A) (5)



RA PD 137772



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-775, 9-1726A, 9-1726C, 9-1727K, 9-1728, 9-1775, 9-1825A, 9-1826B, 9-1829A; Supply Catalog: SNL G-214.

Classification: Limited Standard.

Armament: One 75-mm howitzer, M2 or M2A1, turret mounted; 3 guns, machine, cal. .30, Browning-M1919A4 (flexible), 1 ball mounted at right front of vehicle, 2 pintle mounted on sides of turret.

Ammunition: 75 rounds, 75-mm; 6,000 rounds cal. .30, for machine gun; 32 rounds, cal. .30 carbines; 1,440 rounds, cal. .45 for sub-machine-guns; 24 rockets, 4.5 in.; 6 rifle grenades; 24 hand grenades.

Fire-Control and Vision Devices: Periscope, M12 or M6 (vision); quadrant, gunner's, M1; telescope, M70C (sight); telescope, panoramic, M12A5 (sight).

Purpose: To land cargo and personnel in combat and for transport on swampy or rough terrain and water.

Communications: (SCR-508 or SCR-608B or AN/GRC-3, -4, -5, -6, -7, or -8) and (AN/GRC-9 or Navy-TCS); or (SCR-508 or SCR-528 or SCR-608B) and (AN/VRC-3); or (SCR-506) and (RC-99); or (SCR-619 or SCR-610) and (RC-99); or (SCR-506) and (SCR-508 or SCR-528 or SCR-608B or AN/GRC-3, -4, -5, -6, -7, or -8).

GENERAL DATA

Crew	6
Weight, fighting	(lb) 40,000
Shipping dimensions, uncrated	(cu ft) 2,850; (sq ft) 279
Ground clearance (in.)	18; (on soft ground) 14 1/4
Ground pressure	(psi) 9.9
Loaded waterline length	(in.) 279
Loaded freeboard (minimum)	(in.) 27
Loaded draft (in.)	front 21 3/4; rear 37 1/4
Cargo space to top of coaming	(in.) 52
Electrical system	(volts) 12
No. of batteries	(6-volt) 2
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 140
Auxiliary-generator fuel tank	(gal) 12
Transmission and differential	(qt) 24
Engine oil tank	(qt) 23
Final drive	(each) (qt) 3
Brakes	mechanical, controlled-differential
Parking brake, type	ratchet locks on steering brakes
Transmission forward speeds	5
Gear ratio	High 2.29:1; Low 5.37:1
Differential-drive gear ratio	2.76:1
Final-drive gear ratio	3.15:1
Hull construction	welded homogeneous armor plate

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius (ft)	Water 48; Land 30
Fording depth	floats
Maximum width of ditch vehicle can cross	(in.) 60
Maximum vertical obstacle vehicle can climb	(in.) 36
Fuel consumption (average conditions) (mpg)	Water 0.7; Land 1
Cruising range (average conditions) (mi)	Water 100; Land 150
Allowable speed, governed (mph)	Water 7; Land 15

ENGINE

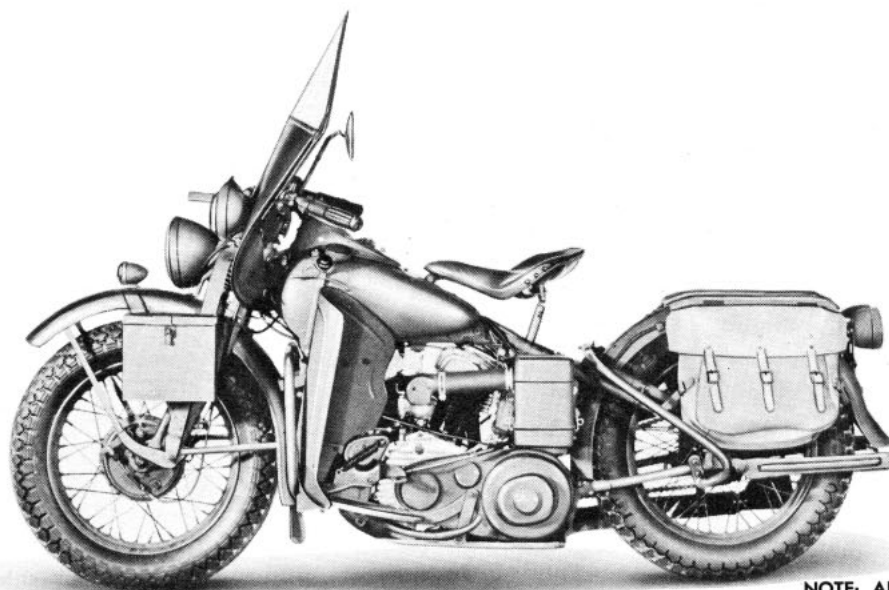
Manufacturer:	Continental	Model W670-9A
Type	4-cycle, radial, air-cooled; No. of cylinders 7	
Displacement	(cu in.) 667.86	
Bore	(in.) 5 1/4	
Stroke	(in.) 4 1/4	
Compression ratio	6.1:1	
Governed speed	(rpm) 2,400	
Brake horsepower (max w/std accessories)	250 at (rpm) 2,400	
Torque (max w/std accessories)	578 lb-ft at (rpm) 1,600	
Type of ignition	magneto	

ADDITIONAL DATA

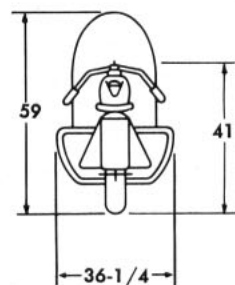
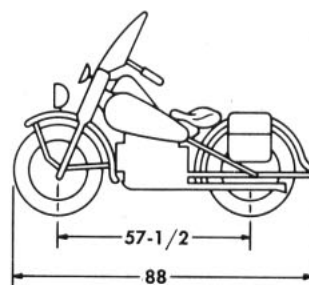
Both models have hand turret traverse. Mk. 5, LVT (A) (5) has power turret-traversing mechanism and elevation stabilizer.
Auxiliary generator: Delco Model 7-B-12.

MOTORCYCLE, SOLO, CHAIN DRIVE

(Harley-Davidson, Models 40 WLA, 41 WLA, 42 WLA)



RA PD 137773



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-879; 9-1879; Supply Catalog: SNL G-523.

Vehicle illustrated: Model 42 WLA.
Classification: Standard.

Purpose: To transport personnel for reconnaissance, messenger service, police operations, and convoy control.

GENERAL DATA

Crew	1
Weight (lb)	Net 513; Payload 250; Gross 763
Axle load (lb):	
Empty	front 245; rear 268
Loaded	front 370; rear 393
Tires	Ply 4; Size 4.00 x 18; Pressure (psi) front 18; rear 20
Shipping dimensions, uncrated	(cu ft) 76; (sq ft) 23
Ground clearance	(in.) 4
Electrical system:	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 3 3/4
Cooling system	air
Oil tank	(qt) 4 1/4
Transmission	(qt) 3/4
Brakes: Manufacturer; Harley-Davidson	Type, mechanical
Transmission for ward speeds	3
Engine-to-wheel ratio	High 4.59 : 1; Low 11.34 : 1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 32
Turning radius (ft)	right 7; left 7 1/2
Fording depth	(in.) 16
Fuel consumption, loaded	(mpg) 37
Cruising range, loaded	(mi) 124
Allowable speed, recommended	(mph) 70

ENGINE

Manufacturer: Harley-Davidson	Model WLA
Type	L-head, 4-cycle; No. of cylinders (45-deg V) 2
Displacement	(cu in.) 45.124
Bore	(in.) 2 3/4
Stroke	(in.) 3 13/16
Compression ratio	4.32 : 1
Governed speed	not governed
Brake horsepower (max w/std accessories)	23 at (rpm) 4,600
Torque (max)	28 lb-ft at (rpm) 3,000

ADDITIONAL DATA

Data given for Model 42 WLA.	
Changes in data for Model 40 WLA are as follows:	
Shipping dimensions, uncrated	(cu ft) 73; (sq ft) 21
Capacities:	
Oil tank	(qt) 1

ENGINE

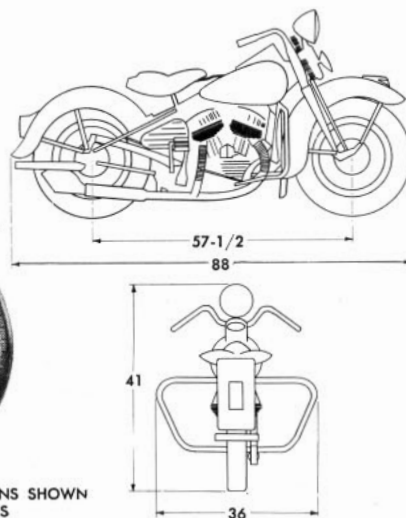
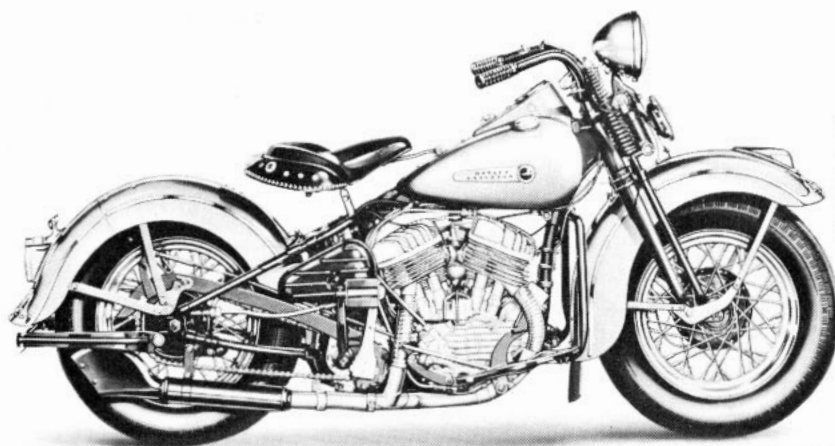
Model	40 WLA
Compression ratio	4.3 : 1
Changes in data for Model 41 WLA are as follows:	
Shipping dimensions, uncrated	(cu ft) 84; (sq ft) 23
Capacities:	
Oil tank	(qt) 4

ENGINE

Model	41 WLA
Compression ratio	4.75 : 1
Torque (max)	24 lb-ft at (rpm) 4,000

MOTORCYCLE, SOLO, CHAIN DRIVE

(Harley-Davidson, Model WL45)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137729

Classification: Standard.

Purpose: To transport personnel for reconnaissance messenger service police operations, and convoy control.

GENERAL DATA

Crew	1
Weight (lb)	Net 477; Payload 250; Gross 727
Axle load (lb):	
Empty	front 229; rear 248
Loaded	front 354; rear 373
Tires: Ply 4; Size 4.00 x 18; Pressure (psi)	front 18; rear 20
Shipping dimensions, uncrated	(cu ft) 75; (sq ft) 22
Ground clearance	(in.) 4 1/2
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 3 3/4
Cooling system	air
Oil tank	(qt) 3 1/2
Transmission	(qt) 3/4
Brakes: Manufacturer; Harley-Davidson	Type; mechanical
Transmission for forward speeds	3
Engine-to-wheel ratio	High 4.74:1; Low 11.72:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 29
Turning radius	(ft) 7 1/2
Fording depth	(in.) 16
Fuel consumption, loaded	(mpg) 37
Cruising range, loaded	(mi) 125
Allowable speed, recommended	(mph) 70

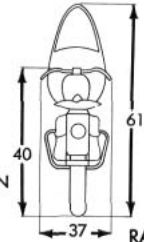
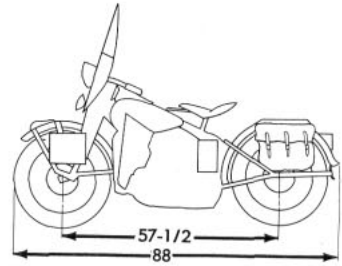
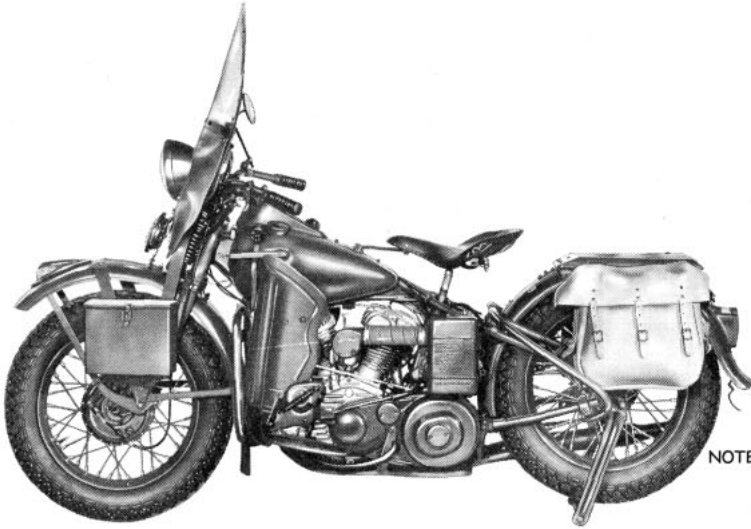
ENGINE

Manufacturer: Harley-Davidson	Model WL
Type	L-head, 4-cycle; No. of cylinders (45 deg V) 2
Displacement	(cu in.) 45
Bore	(in.) 2 3/4
Stroke	(in.) 3 1/4
Compression ratio	6:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	23 at (rpm) 4,600
Torque (max)	27 1/2 lb-ft at (rpm) 4,000

ADDITIONAL DATA

MOTORCYCLE, SOLO, CHAIN DRIVE

(Harley-Davidson, Model 50 WLA)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172659

Classification: Standard.

Purpose: To transport personnel for reconnaissance, messenger service, police operations, and convoy control.

GENERAL DATA

Crew.....	1
Weight (lb).....	Net 562; Payload 250; Gross 812
Axle load (lb):	
Empty.....	front 241; rear 321
Loaded.....	front 366; rear 446
Tires.....	Ply 4; Size 18 x 4; Pressure (psi) front 16; rear 18
Shipping dimensions, uncrated.....	(cu ft) 115; (sq ft) 23
Vehicle dimensions: Ground clearance.....	(in.) 4
Electrical system.....	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating.....	72
Capacities:	
Fuel.....	(gal) 3 3/4
Oil tank, refill.....	(qt) 4 1/2
Transmission.....	(qt) 3/4
Brakes: Manufacturer: Harley-Davidson.....	Type; mechanical
Transmission for ward speeds.....	3
Engine to wheel ratio.....	High 4.59:1; Low 11.34:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....	(percent) 30
Turning radius.....	(ft) 8
Fording depth.....	(in.) 16
Fuel consumption, loaded.....	(mpg) 35
Cruising range, loaded.....	(mi) 120
Allowable speed, recommended.....	(mph) 65

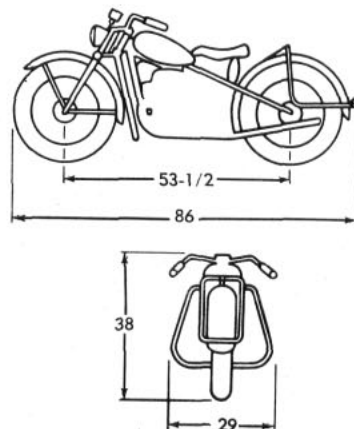
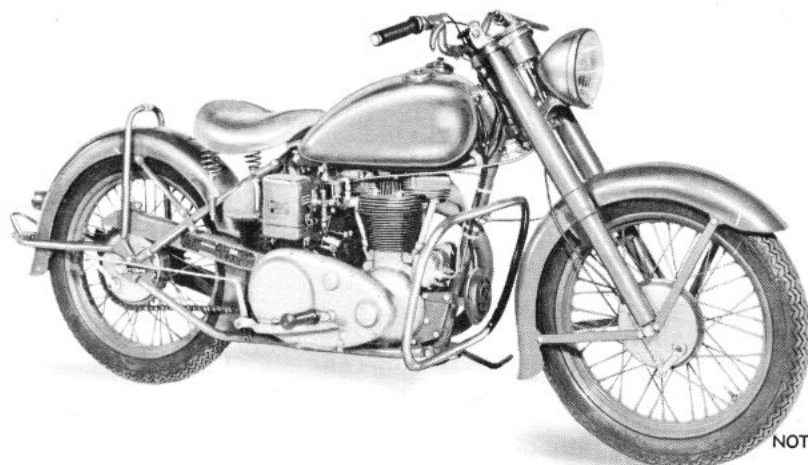
ENGINE

Manufacturer: Harley-Davidson.....	Model WLA
Type.....	4-cycle, L-head; No. of cylinders (45-deg V) 2
Displacement.....	(cu in.) 45
Bore.....	(in.) 2 3/4
Stroke.....	(in.) 3 1/4
Compression ratio.....	5:1
Governed speed.....	not governed
Brake horsepower (max w/std accessories).....	23 at (rpm) 4,600
Torque (max w/std accessories).....	28 lb-ft at (rpm) 3,000

ADDITIONAL DATA

MOTORCYCLE, SOLO, EXTRA LIGHT

(Indian, Model 149M, T3)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES RA PD 172695

Classification: Standard.

Purpose: Airborne.

GENERAL DATA

Crew	1
Weight (lb)	Net 310; Payload 200; Gross 510
Axle load (lb):	
Empty	front 144; rear 164
Loaded	front 247; rear 263
Tires	Ply 4; Size 3 1/4 x 18; Pressure (psi) 20
Shipping dimensions, uncrated	(cu ft) 55; (sq ft) 17
Ground clearance	(in.) 5
Electrical system	magneto and generator
No. of batteries	(6-volt) 1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 3 3/4
Oil tank	(qt) 1 1/2
Transmission	(qt) 3/4
Primary drive	(qt) 1/4
Type of drive	chain
Cooling system	air
Brakes: Manufacturer; Indian	Type; mechanical

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 30
Turning radius	(ft) 6 3/4
Fording depth	(in.) 12
Fuel consumption, loaded	(mpg) 80
Cruising range, loaded	(mi) 300
Maximum speed, recommended	(mph) 60
No. of forward speeds	4
Engine-to-wheel ratio	High 6:12:1; Low 17:01:1

ENGINE

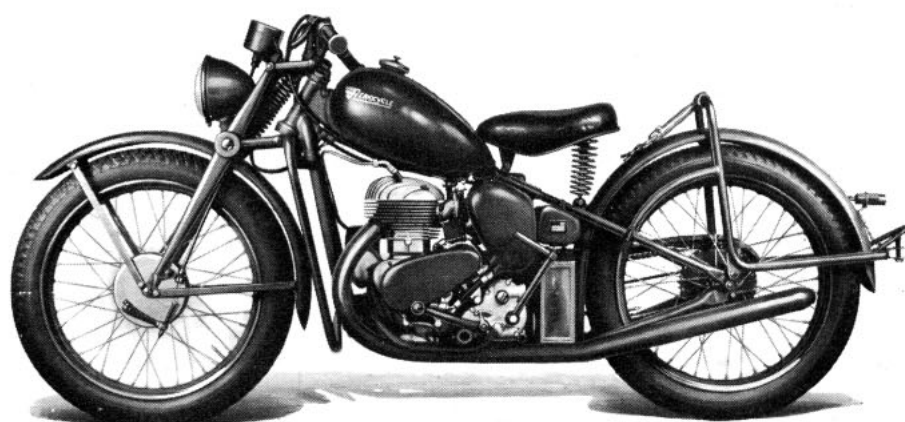
Manufacturer: Indian	Model 149M
Type	Vertical, 4-cycle; No. of cylinders 1
Displacement	(cu in.) 13.3
Bore	(in.) 2 3/4
Stroke	(in.) 3
Compression ratio	7:1
Brake horsepower (max w/std accessories)	9 at (rpm) 6,000
Torque (max)	9.8 lb-ft at (rpm) 3,800

ADDITIONAL DATA

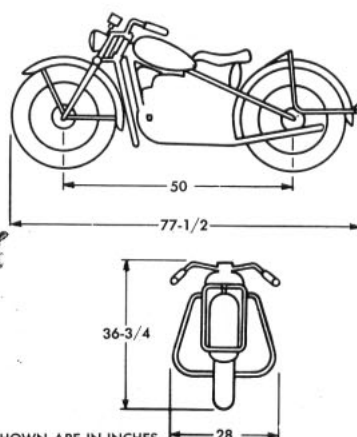
Equipped with parachute attaching rings.

MOTORCYCLE, SOLO, EXTRA LIGHT, M1

(Indian, Model 148)



RA PD 137774



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Classification: Standard.

Purpose: Airborne.

GENERAL DATA

Crew.....	1
Weight (lb).....	Net 250; Payload 225; Gross 475
Axle load (lb):	
Empty.....	front 110; rear 140
Loaded.....	front 222; rear 253
Tires.....	Ply 4; Size 3 x 18; Pressure (psi) 20
Shipping dimensions, uncrated.....	(cu ft) 46 (sq ft) 15
Ground clearance.....	(in.) 5 1/2
Electrical system.....	magneto and generator
No. of batteries.....	(6-volt) 1
Type of ground.....	negative
Fuel octane rating.....	72
Capacities:	
Fuel.....	(gal) 23 1/4
Oil tank.....	(qt) 1 1/2
Transmission.....	(qt) 1/4
Primary drive.....	(qt) 1/4
Type of drive.....	chain
Cooling system.....	air
Brakes: Manufacturer; Indian.....	Type; mechanical

PERFORMANCE

Computed grade ability in lowest gear, loaded.....	(percent) 25
Turning radius.....	(ft) 5 1/4
Fording depth.....	(in.) 12
Fuel consumption, loaded.....	(mpg) 90
Cruising range, loaded.....	(mi) 250
Maximum speed, recommended.....	(mph) 45
No. of forward speeds.....	3
Engine-to-wheel ratio.....	High 6.4:1; Low 18.2:1

ENGINE

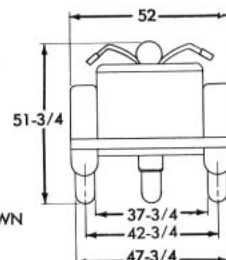
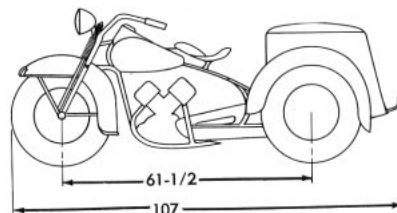
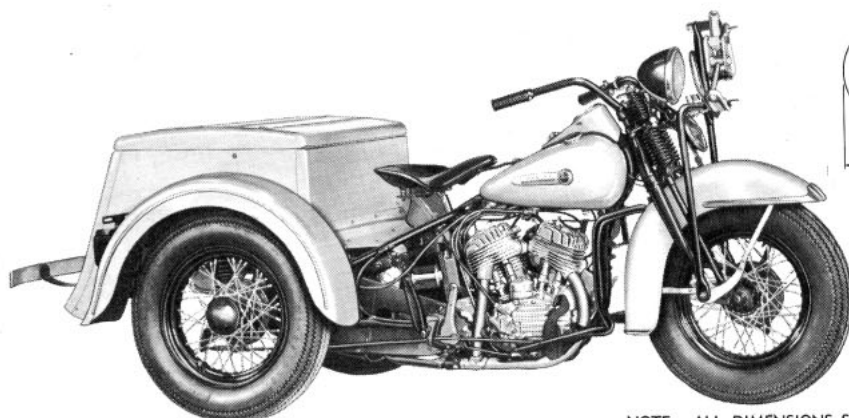
Manufacturer: Indian.....	Model 1
Type.....	Vertical, 4-cycle; No. of cylinders 1
Displacement.....	(cu in.) 13.5
Bore.....	(in.) 2 1/2
Stroke.....	(in.) 2 3/4
Compression ratio.....	4.75:1
Brake horsepower (max w/std accessories).....	6.3 at (rpm) 4,800
Torque (max).....	8.1 lb-ft at (rpm) 3,600

ADDITIONAL DATA

Equipped with parachute attaching rings.

MOTORCYCLE, SOLO, 3-WHEEL

(Harley-Davidson, Model G, 1950)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172660

Classification: Nonclassified.

GENERAL DATA

Crew.....1
Weight (lb).....Net 500; Payload 500; Gross 1,395
Tires.....Ply 4; Size 5.00 x 16; Pressure (psi) front 12; rear 16
Shipping dimensions, uncrated.....(cu ft) 167; (sq ft) 39
Vehicle dimensions:
 Ground clearance.....(in.) 4½
Electrical system.....(volts) 6
 No. of batteries.....1
 Type of ground.....negative
Fuel octane rating.....72
Capacities:
 Fuel.....(gal) 3¾
 Oil tank, refill.....(qt) 3½
 Transmission.....(qt) ¼
Brakes: Manufacturer; Harley-Davidson.....Type; mechanical
Transmission forward speeds.....3
 Engine-to-wheel ratio.....High 5.85:1; Low 14.4:1

Purpose: To provide transportation for messenger service, convoy control, and police operations.

PERFORMANCE

Turning radius.....(ft) 8
Fording depth.....(in.) 16
Fuel consumption, loaded.....(mpg) 35
Cruising range, loaded.....(mi) 120
Allowable speed.....(mph) 45

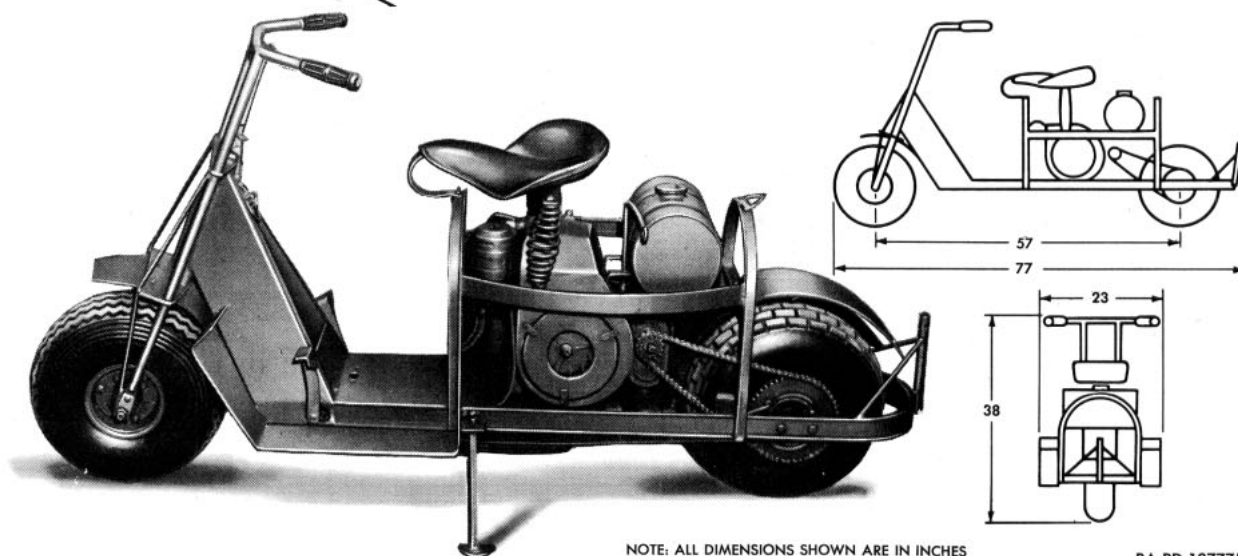
ENGINE

Manufacturer: Harley-Davidson.....Model G
Type.....4-cycle, L-head; No. of cylinders (45-deg V) 2
Displacement.....(cu in.) 45
Bore.....(in.) 2¾
Stroke.....(in.) 3¼
Compression ratio.....4.75:1
Governed speed.....not governed
Brake horsepower (max w/std accessories).....23 at (rpm) 4,600
Torque (max w/std accessories).....28 at (rpm) 3,000

ADDITIONAL DATA

SCOOTER, MOTOR, AIRBORNE, 2-WHEEL

(Cushman, Model 53)



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

RA PD 137775

Technical Manual: 9-876; Supply Catalog: SNL G-683.

Classification: Limited Standard.

Purpose: To transport one person.

GENERAL DATA

Crew.....	1
Weight (lb).....	Net 260; Payload 225; Gross 485
Axle load (lb):	
Empty.....	front 100; rear 160
Loaded.....	front 195; rear 290
Tires.....	Ply 4; Size 6.00 x 6; Pressure (psi) 15
Shipping dimensions, uncrated.....	(cu ft) 39; (sq ft) 12
Ground clearance.....	(in.) 63/4
Electrical system: Ignition.....	magneto
Fuel octane rating.....	70
Capacities:	
Fuel.....	(gal) 2
Crankcase.....	(qt) 1 1/4
Transmission.....	(qt) 3/4
Cooling system.....	air
Brakes:	
Manufacturer; Cushman.....	Type; mechanical
Parking brake.....	none
Type of drive.....	chain
Transmission for ward speeds.....	2
Engine-to-wheel ratio.....	High 5.03:1; Low 14.99:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....	(percent) 25
Turning radius.....	(ft) 6 1/4
Fording depth.....	(in.) 12
Fuel consumption, loaded.....	(mpg) 50
Cruising range, loaded.....	(mi) 100
Maximum speed.....	(mph) 40

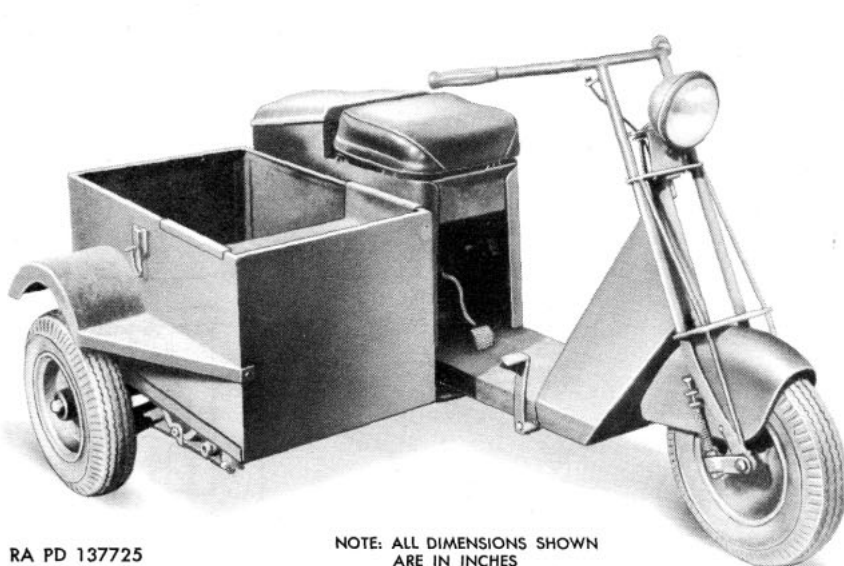
ENGINE

Manufacturer: Cushman.....	Model 16M71
Type.....	Vertical, 4-cycle; No. of cylinders 1
Displacement.....	(cu in.) 14.89
Bore.....	(in.) 2 5/8
Stroke.....	(in.) 2 3/4
Compression ratio.....	5.4:1
Brake horsepower (max w/std accessories).....	4.6 at (rpm) 3,600
Torque (max).....	7.5 lb-ft at (rpm) 2,600

ADDITIONAL DATA

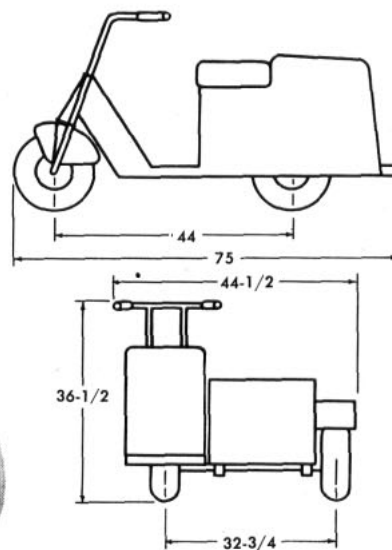
SCOOTER, MOTOR, 3-WHEEL, W/SIDE CAR

(Cushman, Model 32)



RA PD 137725

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



Technical Manual: 10-1399.

Classification: Limited Standard.

Purpose: For light delivery and messenger service.

GENERAL DATA

Crew.....	1
Weight (lb).....	Net 325; Payload 325; Gross 650
Axle load (lb):	
Empty.....	front 100; rear 225
Loaded.....	front 220; rear 430
Shipping dimensions uncrated.....	(cu ft) 71; (sq ft) 23.1
Tires.....	Ply 4; Size 4.00 x 8; Pressure (psi) 30
Vehicle dimensions:	
Ground clearance.....	(in.) 4
Side car inside dimensions (in.).....	Length 30; Width 18; Height 16
Cargo space.....	(cu ft) 5
Electrical system.....	(volts) 6
No. of batteries.....	none
Fuel octane rating.....	70
Capacities:	
Fuel.....	(gal) 1 1/4
Crankcase.....	(qt) 1 1/4
Cooling system.....	air
Brakes:	
Manufacturer; Cushman.....	Type; mechanical
Parking brake.....	none
Type of drive.....	chain
Transmission speeds.....	no transmission
Engine-to-wheel ratio: 5:1 w/60-tooth rear-wheel sprocket, 4.41:1 w/53-tooth rear-wheel sprocket.	

PERFORMANCE

Computed grade ability, loaded.....	(percent) 4
Turning radius (ft).....	left 5 3/4; right 6 1/4
Fording depth.....	(in.) 10
Fuel consumption, loaded.....	(mpg) 42
Cruising range, loaded.....	(mi) 50
Maximum speed.....	(mph) 35

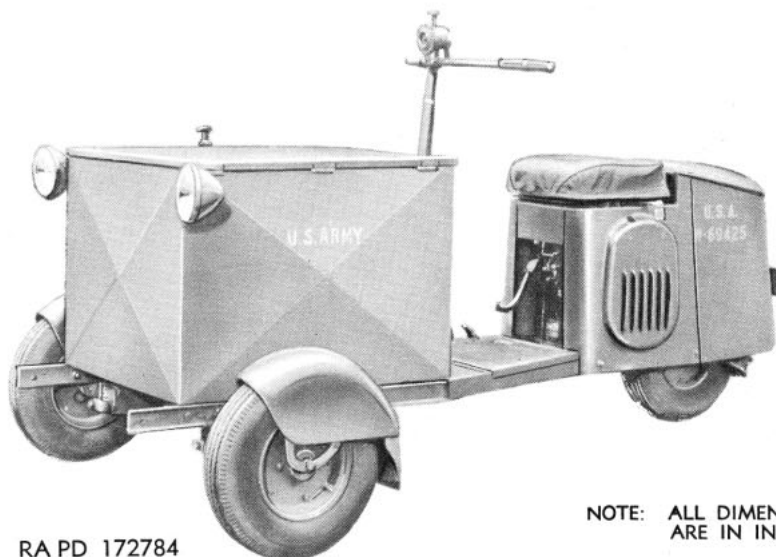
ENGINE

Manufacturer: Cushman.....	Model 15M71
Type.....	Vertical, 4-cycle; No. of cylinders 1
Displacement.....	(cu in.) 14.89
Bore.....	(in.) 2 5/8
Stroke.....	(in.) 2 3/4
Compression ratio.....	5.4:1
Brake horsepower (max w/std accessories).....	4.6 at (rpm) 3,600
Torque (max).....	7.5 lb-ft at (rpm) 2,600

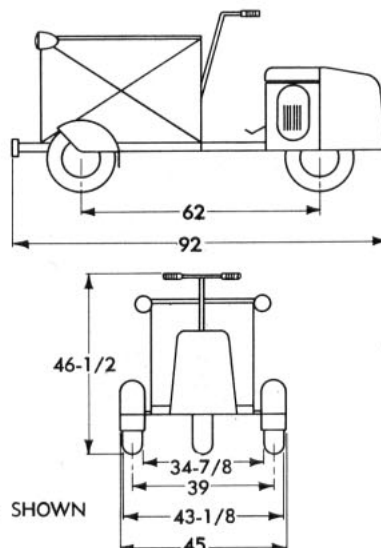
ADDITIONAL DATA

SCOOTER, MOTOR, PACKAGE DELIVERY, 3-WHEEL

(Cushman Package Kar, Model 39)



RA PD 172784



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Supply Catalog: SNL G-672.

Classification: Substitute Standard.

Purpose: For light delivery and messenger service.

GENERAL DATA

Crew	1
Weight (lb)	Net 415; Payload 350; Gross 765
Axle load (lb):	
Empty	front 235; rear 180
Loaded	front 410; rear 355
Shipping dimensions, uncrated	(cu ft) 112; (sq ft) 28.8
Tires:	
Ply 4	Size 4.00 x 8; Pressure (psi) 30
Tread	center-to-center, front (in.) 39
Vehicle dimensions:	
Ground clearance	(in.) 5 1/2
Package compartment inside dimensions (in.):	
Length 28	Width 22; Height 21
Cargo space	(cu ft) 7 1/2
Electrical system	(volts) 6
No. of batteries	none
Fuel octane rating	70
Capacities:	
Fuel	(gal) 1 1/4
Crankcase	(qt) 1 1/4
Transmission	(qt) 1/4
Cooling system	air
Brakes:	
Manufacturer; Cushman	Type; mechanical
Parking brake	lock on service brake pedal
Type of drive	chain
Transmission for ward speeds	2
Engine-to-wheel ratio	High 6.48:1; Low 13.43:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 12
Turning radius	(ft) 11
Fording depth	(in.) 6
Fuel consumption, loaded	(mpg) 42
Cruising range, loaded	(mi) 50
Maximum speed	(mph) 30

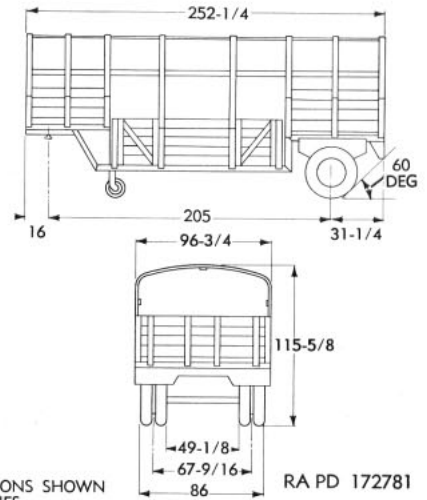
ENGINE

Manufacturer: Cushman	Model 10M70
Type	Vertical, 4-cycle; No. of cylinders 1
Displacement	(cu in.) 14.89
Bore	(in.) 2 5/8
Stroke	(in.) 2 3/4
Compression ratio	5.4:1
Brake horsepower (max w/std accessories)	4 at (rpm) 3,600
Torque (max)	7.5 lb-ft at (rpm) 2,600

ADDITIONAL DATA

SEMITRAILER, 32-PASSENGER BUS CHASSIS, 3-TON, 2-WHEEL

(Fruehauf, Model 220DDF-SP)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172781

Supply Catalog: SNL G-701.

Classification: Nonclassified.

Purpose: To transport personnel.

GENERAL DATA

Weight (lb).....Net 6,790; Payload 6,480; Gross 13,270

Weight distribution (lb):

Empty.....fifth wheel 3,010; axle 3,780

Loaded.....fifth wheel 6,480; axle 6,790

Tires.....Ply 8; Size 7.50 x 20; Pressure (psi) 55

Shipping dimensions uncrated.....(cu ft) 1,640; (sq ft) 170

Vehicle dimensions:

Ground clearance.....(in.) 15½

Step height, empty.....(in.) 24½

Height of fifth wheel, landing gear down.....(in.) 44

Body inside dimensions (in.):

Length 246.....Width 90; Height: front 61¾

center 90

rear 72

Brakes: Manufacturer; Borg-Warner.....Type; electric

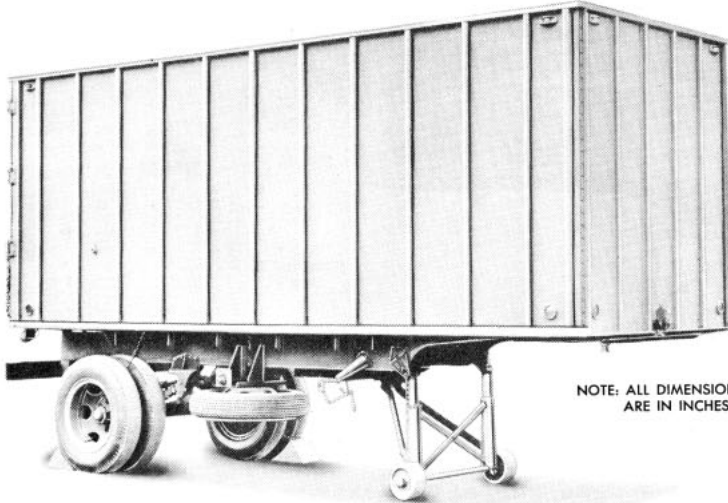
Parking brake, type.....mechanical

Minimum towing vehicle to be used.....truck, tractor, 1½-ton, 4 x 2

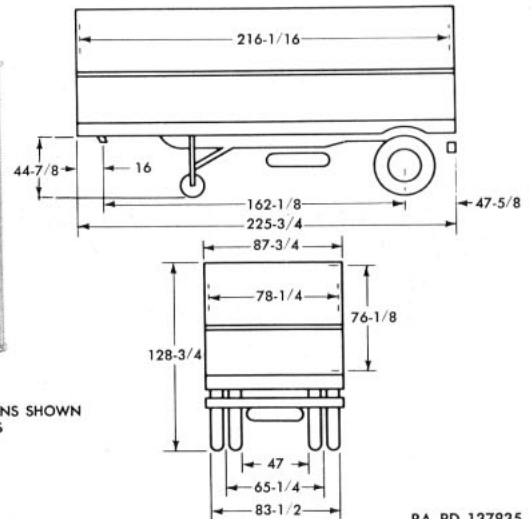
ADDITIONAL DATA

SEMITRAILER, VAN, 3-TON, 2-WHEEL

(Black, Diamond, Model T118, 1942-43; Carolina, Model M2A, 1943-44; Checker, Model CC3; Highway, Models SKD 1742A, 1941, SKD 2043, SKD 2269, steel, SKD 2316, wood, SKD 2353 WKD; Kingham, Model H30S, 1942-43; Steel Products, Model ASV, 1943; Strick, Models 300, 300-18, 1942-1943; Truck Engineering, Model 2SF, 1943)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137835

Technical Manuals: 10-1168, 10-1363, 10-1675; **Supply Catalogs:** SNL G-530; Carolina, SNL G-570; Checker, SNL G-560; Highway, SNL G-579; Kingham, SNL G-565; Steel Products, SNL G-571; Strick, SNL G-582; Truck Engineering, SNL G-566.

Vehicle illustrated: Black Diamond.
Classification: Standard.

Purpose: To transport general cargo.

GENERAL DATA

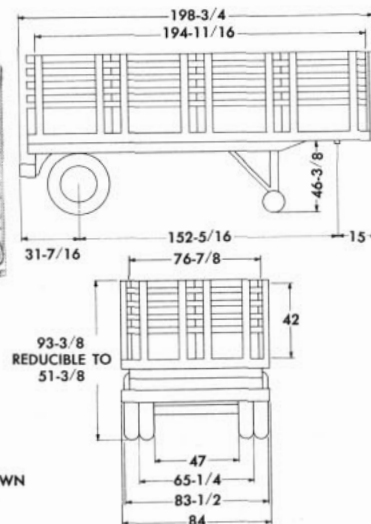
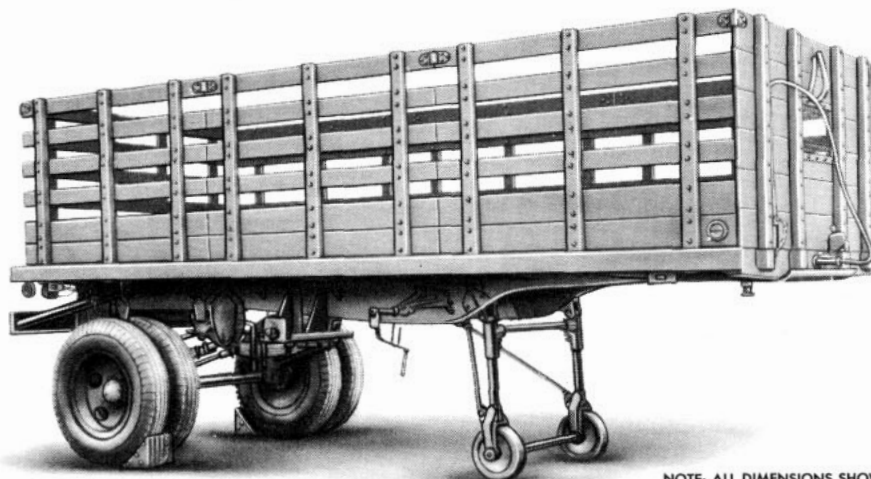
Weight (lb) Net.....5,870
Payload.....on inferior roads 6,000; on highway 10,000
Gross.....on inferior roads 11,870; on highway 15,870
Weight distribution (lb):
 Empty.....fifth wheel 1,860; axle 4,010
 Loaded:
 On inferior roads.....fifth wheel 4,512; axle 7,358
 On highway.....fifth wheel 6,280; axle 9,590
Tires.....Ply 8; Size 7.50 x 20; Pressure (psi) 55
Shipping dimensions, uncrated.....(cu ft) 1,468; (sq ft) 138
Vehicle dimensions:
 Ground clearance.....(in.) 13 1/4
 Loading height.....(in.) 49 7/8
 Height of fifth wheel, landing gear down.....(in.) 44 7/8
 Cargo space.....(cu ft) 744
Brakes:
 Manufacturer; Warner.....Type; electric
 Parking brake.....none
Minimum towing vehicle to be used.....Truck, tractor, 1 1/2-ton, 4 x 2

ADDITIONAL DATA

Some models equipped with wood bodies; others with steel bodies.

SEMITRAILER, STAKE AND PLATFORM, 3 1/2-TON, 2-WHEEL

(Black Diamond, Models T118 and T118A; Checker, Model CC4; Dorsey, Model D8; Highway, Model SKD 2267; Hobbs, Models 5DF and DF18, 1942; Kingham, Model H30S, 1942-43; Strick, Models 300 and 300-18, 1942-43; Utility, Model G-SW2)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137802

Technical Manual: 10-1363; **Supply Catalogs:** Black Diamond, SNL G-530; Checker, SNL G-560; Dorsey, SNL G-563; Highway, SNL G-579; Hobbs, SNL G-564; Kingham, SNL G-565; Strick, SNL G-582; Utility, SNL G-567.

Vehicle Illustrated: Highway.

Classification: Standard.

Purpose: To transport general cargo.

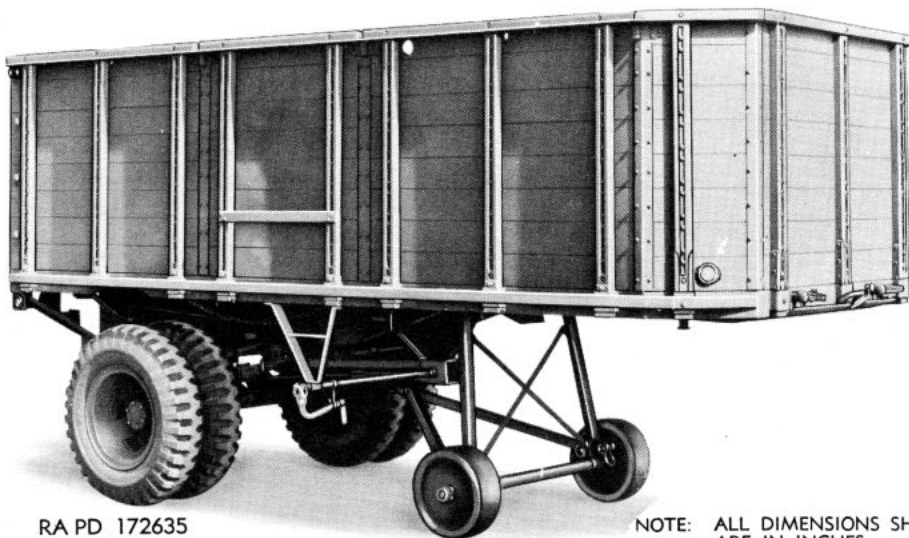
GENERAL DATA

Weight (lb) Net.....	4,700
Payload.....	on inferior roads 7,000; on highway 12,600
Gross.....	on inferior roads 11,700; on highway 17,300
Weight distribution (lb):	
Empty.....	fifth wheel 1,890; axle 2,810
Loaded:	
On inferior roads.....	fifth wheel 5,160; axle 6,540
On highway.....	fifth wheel 7,780; axle 9,520
Tires	Ply 8; Size 7.50 x 20; Pressure (psi) 55
Shipping dimensions, uncrated	(cu ft) 906; (sq ft) 116
Vehicle dimensions:	
Ground clearance.....	(in.) 13 1/4
Loading height, empty.....	(in.) 51 3/4
Height of fifth wheel landing gear down.....	(in.) 46 3/4
Cargo space.....	(cu ft) 364
Brakes:	
Manufacturer; Warner.....	Type; electric
Parking brake.....	none
Minimum towing vehicle to be used	truck, tractor, 1 1/2-ton, 4 x 2

ADDITIONAL DATA

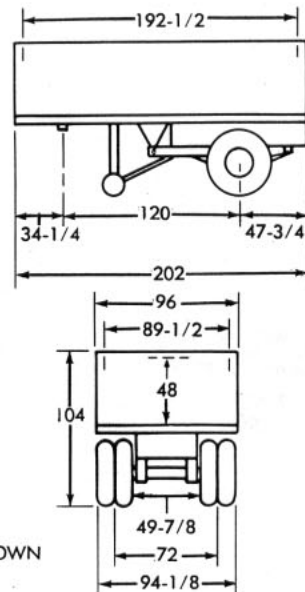
SEMITRAILER, STAKE AND PLATFORM, 5-TON, 2-WHEEL

(Olson, Trailmobile, Truck Engineering, Model 516)



RA PD 172635

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



Technical Manual: 9-890; Supply Catalog: SNL G-675.

Classification: Standard.

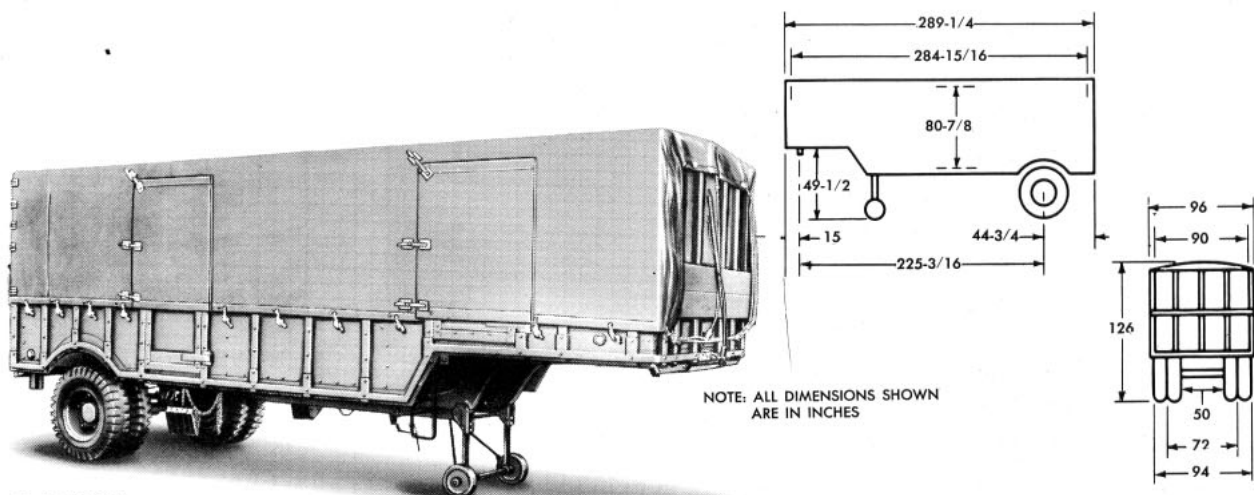
Purpose: To transport general cargo.

GENERAL DATA

Weight (lb) Net.....6,640
Payload.....on inferior roads 10,000; on highway 15,000
Gross.....on inferior roads 16,640; on highway 21,640
Weight distribution (lb):
 Empty.....fifth wheel 2,275; axle 4,365
 Loaded:
 On inferior roads.....fifth wheel 7,000; axle 9,640
 On highway.....fifth wheel 9,365; axle 12,275
Tires.....Ply 10; Size 9.00 x 20; Pressure (psi) 65
Shipping dimensions, uncrated.....(cu ft) 1,167; (sq ft) 135
Vehicle dimensions:
 Ground clearance.....(in.) 16⁵/₈
 Loading height, empty.....(in.) 52³/₄
 Height of fifth wheel, landing gear down.....(in.) 43³/₄
 Cargo space.....(cu ft) 515
Brakes:
 Manufacturer; Bendix-Westinghouse.....Type; air
 Parking brake, type.....mechanical
Minimum towing vehicle to be used.....truck, tractor, 5-ton, 4 x 2

ADDITIONAL DATA

SEMITRAILER, ANIMAL AND CARGO, 6-TON, 2-WHEEL (Highway, Model SKD 1815)



RA PD 137856

Technical Manual: 10-1372; Supply Catalog: SNL G-525.

Classification: Standard.

Purpose: To transport 8 men and 8 horses and equipment for both, including rifles and saddles.

GENERAL DATA

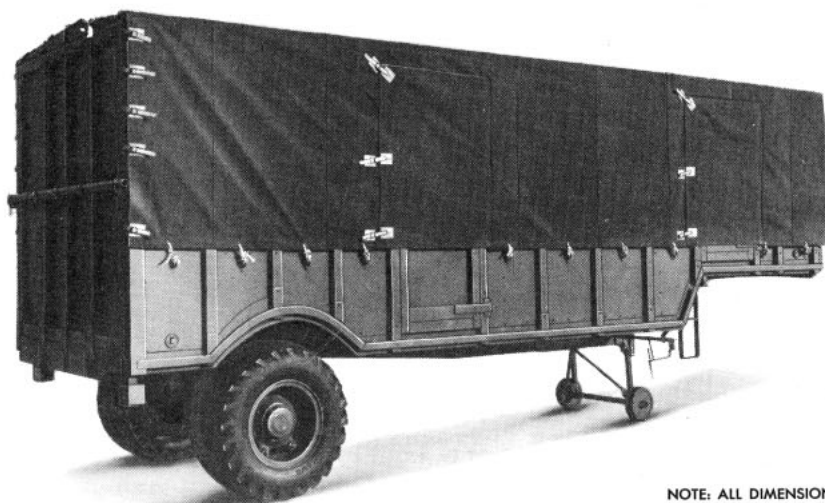
Weight (lb) Net 8,809; Payload 12,000; Gross 20,809
Weight distribution (lb):
 Empty fifth wheel 2,849; axle 5,960
 Loaded fifth wheel 7,809; axle 13,000
Tires Ply 10; Size 9.00 x 20; Pressure (psi) 65
Shipping dimensions, uncrated (cu ft) 2,025; (sq ft) 193
Vehicle dimensions:
 Ground clearance (in.) 14
 Loading height, empty (in.) 38
 Height of fifth wheel, landing gear down (in.) 49 3/4
 Cargo space (cu ft) 1,055
Brakes:
 Manufacturer; Bendix-Westinghouse Type; air
 Parking brake none
Minimum towing vehicle to be used truck, tractor, 2 1/4-ton, 4 x 2

ADDITIONAL DATA

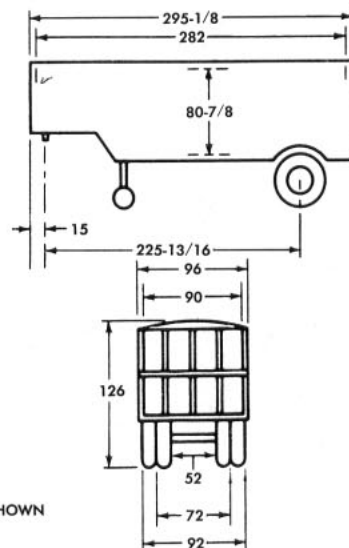
This model equipped with differential dual wheels.

SEMITRAILER, ANIMAL AND CARGO, 6-TON, 2-WHEEL

(Trailer Co. of America, Model TD, 32G, 1940-41)



RA PD 172628



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manual: 10-1110; Supply Catalog: SNL G-580.

Classification: Standard.

Purpose: To transport 8 men and 8 horses and equipment for both, including rifles and saddles.

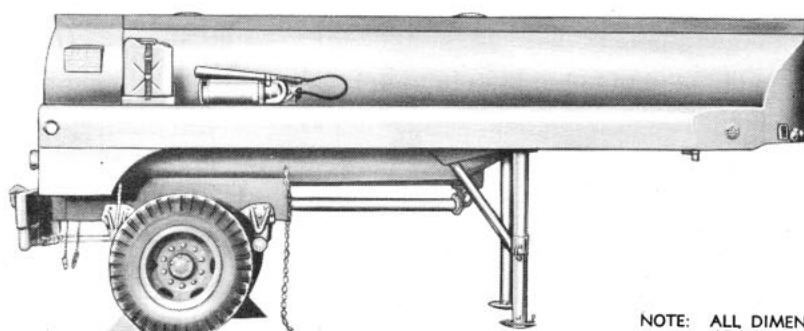
GENERAL DATA

Weight (lb) Net 8,580
Payload on inferior roads 12,000; on highway 16,020
Gross on inferior roads 20,580; on highway 24,600
Weight distribution (lb):
 Empty fifth wheel 3,710; axle 4,870
 Loaded:
 On inferior roads fifth wheel 8,930; axle 11,650
 On highway fifth wheel 10,800; axle 13,800
Tires Ply 10; Size 9.00 x 20; Pressure (psi) 65
Shipping dimensions, uncrated (cu ft) 2,070; (sq ft) 197
Vehicle dimensions:
 Ground clearance (in.) 14 3/4
 Loading height, empty (in.) 45 1/4
 Height of fifth wheel, landing gear down (in.) 49 1/2
 Cargo space (cu ft) 1,064
Brakes:
 Manufacturer; Bendix-Westinghouse Type; air
 Parking brake, type none
Minimum towing vehicle to be used truck, tractor, 2 1/2-ton, 4 x 2

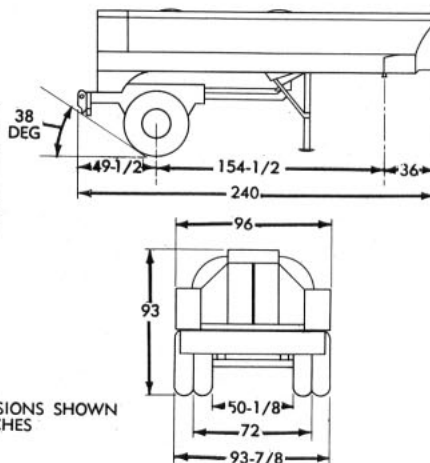
ADDITIONAL DATA

Equipped w/differential dual wheels.

SEMITRAILER, GASOLINE TANK, 6-TON, 2-WHEEL, 2,000-GAL., M30 (Davis Welding, Heil, Lufkin, Keystone, Krieger Steel, Independent, Progress, Model ST62M)



RA PD 172636



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manual: 9-891; Supply Catalog: SNL G-678.

Classification: Substitute Standard.

Purpose: To transport and dispense gasoline.

GENERAL DATA

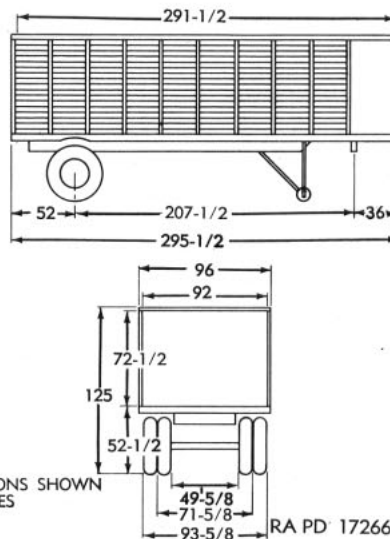
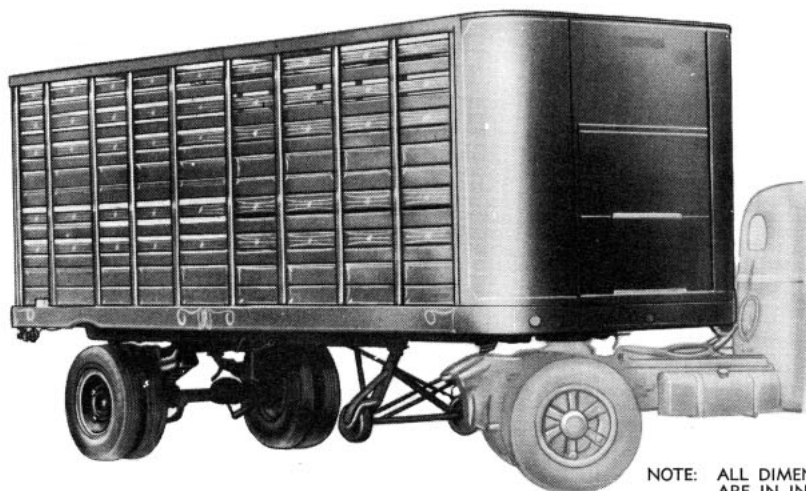
Weight (lb).....Net 6,750; Payload 12,200; Gross 18,950
Weight distribution (lb):
 Empty.....fifth wheel 2,750; axle 4,000
 Loaded.....fifth wheel 7,750; axle 11,200
Tires.....Ply 12; Size 9.00 x 20; Pressure (psi) 65
Shipping dimensions, uncrated.....(cu ft) 1,790; (sq ft) 161
Vehicle dimensions:
 Ground clearance.....(in.) 19½
 Pintle height, empty.....(in.) 36
 Height of fifth wheel, landing gear down.....(in.) 49¾
Brakes:
 Manufacturer; Bendix-Westinghouse.....Type; air
 Parking brake, type.....none
Minimum towing vehicle to be used.....truck, tractor, 4- to 5-ton, 4 x 4

ADDITIONAL DATA

20 gpm pump is powered by Briggs and Stratton air-cooled engine.

SEMITRAILER, STAKE AND PLATFORM, 6-TON, 2-WHEEL

(Fruehauf, Models WLS220S, 1941; WLS222, 1942; WLS223, 1942; WLS224, 1942-43; WLS224S, 1942; WLS225, 1942; WLS226, 1943; WLS226S, 1943; WLS227, 1943; WLS228S, 1943; WLS229, 1943; WLS230S, 1943, and Springfield, Model 939, 1943)



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Technical Manual: 10-1294; Supply Catalog: SNL G-581.

Vehicle illustrated: Fruehauf Model WLS226.

Classification: Nonclassified.

Purpose: To transport general cargo.

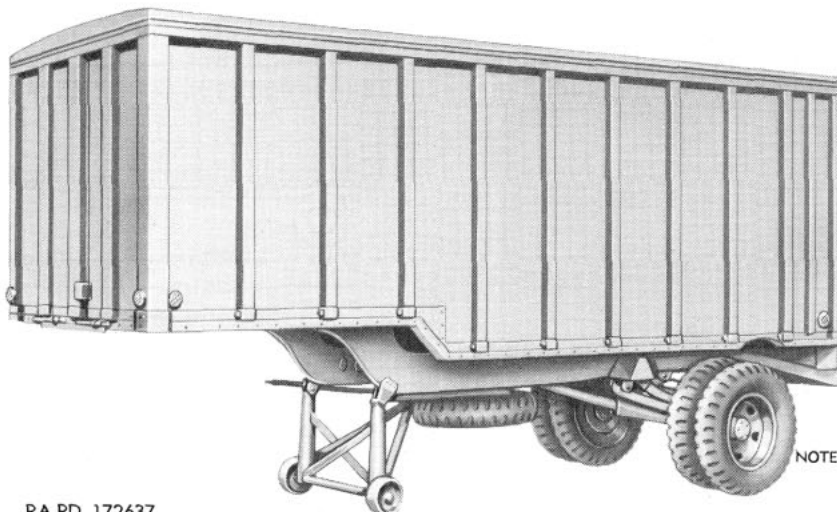
GENERAL DATA

Weight (lb) Net.....8,170
 Payload.....on inferior roads 12,000; on highway 17,780
 Gross.....on inferior roads 20,170; on highway 25,950
 Weight distribution (lb):
 Empty.....fifth wheel 2,800; axle 5,370
 Loaded:
 On inferior roads.....fifth wheel 9,389; axle 10,881
 On highway.....fifth wheel 12,144; axle 13,800
 Tires.....Ply 10; Size 9.00 x 20; Pressure (psi) 65
 Shipping dimensions, uncrated.....(cu ft) 2,060; (sq ft) 197
 Vehicle dimensions:
 Ground clearance.....(in.) 15 3/4
 Loading height, empty.....(in.) 52 1/2
 Height of fifth wheel, landing gear down.....(in.) 49 3/4
 Cargo space.....(cu ft) 1,130
 Brakes:
 Manufacturer; Fruehauf.....Type; air
 Parking brake, type.....none
 Minimum towing vehicle to be used.....truck, tractor, 4- to 5-ton, 4 x 4

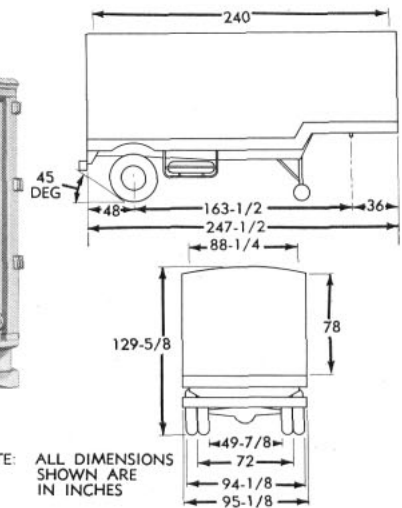
ADDITIONAL DATA

SEMITRAILER, VAN, 6-TON, 2-WHEEL

(American Body, Model DF233V; Carter, Model C15935A; Dorsey, Model E14; Kentucky, Model 1-ORD; Olson, Model KV10; Strick, Model 400W; Timpfe, Model T8D; Utility, Model GSW4 (KD), 1943)



RA PD 172637



Technical Manual: 9-888; Supply Catalog: SNLG-665.

Classification: Standard.

Purpose: To transport general cargo.

GENERAL DATA

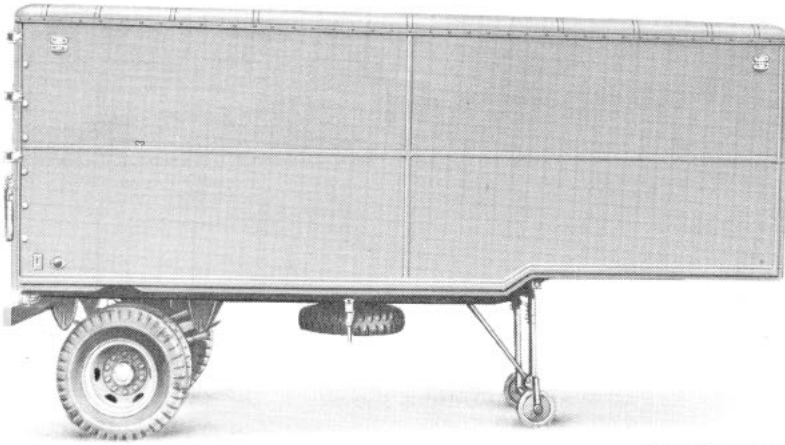
Weight (lb).....Net 7,200
 Payload.....on inferior roads 12,000; on highway 18,500
 Gross.....on inferior roads 19,200; on highway 25,700
Weight distribution (lb):
 Empty.....fifth wheel 3,350; axle 3,850
 Loaded:
 On inferior roads.....fifth wheel 8,900; axle 10,300
 On highway.....fifth wheel 11,900; axle 13,800
Tires.....Ply 10; Size 9.00 x 20; Pressure (psi) 70
Shipping dimensions, uncrated.....(cu ft) 1,780; (sq ft) 165
Vehicle dimensions:
 Ground clearance.....(in.) 15 3/4
 Loading height, empty.....(in.) 46 3/4
 Height of fifth wheel, landing gear down.....(in.) 50
 Body inside dimensions (in.).....Length 240; Width 88 3/4; Height 78
 Cargo space.....(cu ft) 875
Brakes:
 Manufacturer; Bendix-Westinghouse.....Type; air
 Parking brake, type.....none
Minimum towing vehicle to be used.....truck, tractor, 4- to 5-ton, 4 x 4

ADDITIONAL DATA

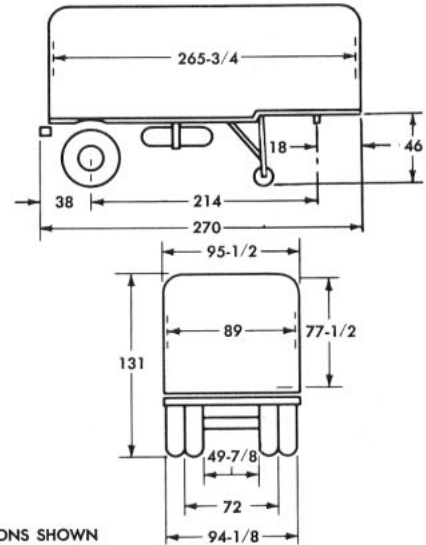
Bodies are knock-down type.

SEMITRAILER, VAN, 6-TON, 2-WHEEL

(Gerstenslager, Model W8125, 1942)



RA PD 137817



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manual: 10-1315; Supply Catalog: SNL G-664.

Classification: Standard.

Purpose: To transport general cargo.

GENERAL DATA

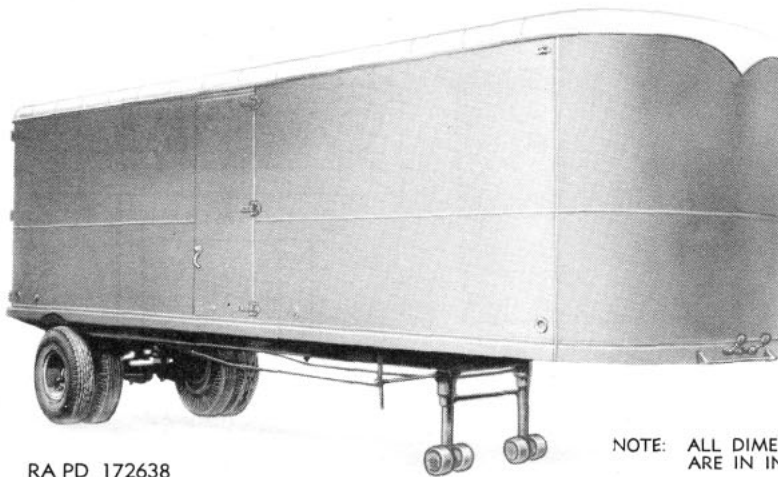
Weight (lb) Net 7,500
 Payload on inferior roads 12,000; on highway 13,600
 Gross on inferior roads 19,500; on highway 21,100
Weight distribution (lb):
 Empty fifth wheel 2,310; axle 5,190
 Loaded:
 On inferior roads fifth wheel 6,740; axle 12,760
 On highway fifth wheel 7,330; axle 13,770
Tires Ply 10; Size 9.00 x 20; (Pressure (psi) 65
Shipping dimensions, uncrated (cu ft) 1,819; (sq ft) 166
Vehicle dimensions:
 Ground clearance (in.) 13
 Loading height (in.) 50 3/4
 Height of fifth wheel, landing gear down (in.) 48 3/4
 Cargo space (cu ft) 1,060
Brakes:
 Manufacturer; Bendix-Westinghouse Type; air
 Parking brake none
Minimum towing vehicle to be used truck, tractor, 2 1/2 ton, 4 x 2

PERFORMANCE

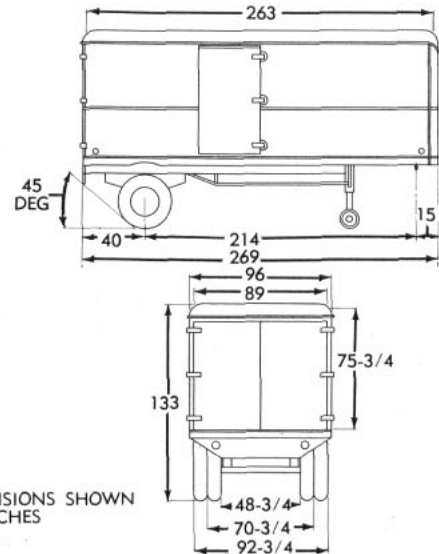
Procured with wood bodies and steel bodies. Steel body increases net and gross weights 500 lb.

SEMITRAILER, VAN, 6-TON, 2-WHEEL

(Gramm, Model DF-75)



RA PD 172638



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manual: 10-1217; Supply Catalog: SNL G-584.

Classification: Standard.

Purpose: To transport general cargo.

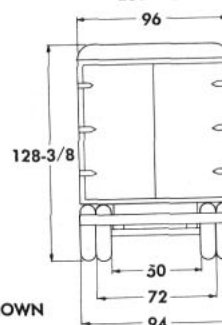
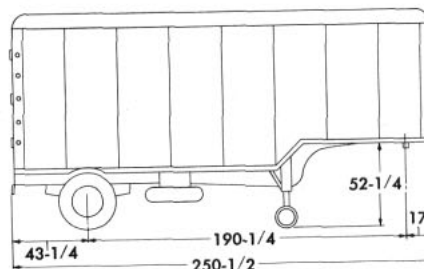
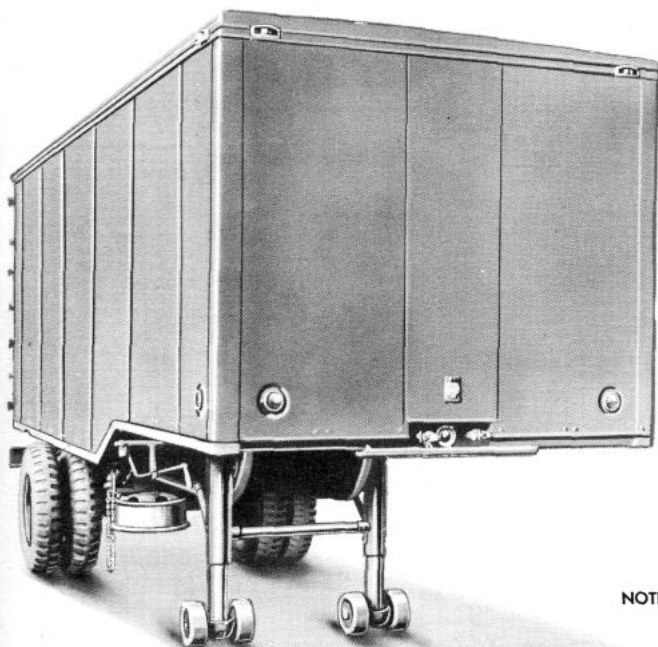
GENERAL DATA

Weight (lb)	Net 8,000
Payload.....	on inferior roads 12,000; on highway 13,870
Gross.....	on inferior roads 20,000; on highway 21,870
Weight distribution (lb):	
Empty.....	fifth wheel 2,960; axle 5,040
Loaded:	
On inferior roads.....	fifth wheel 7,380; axle 12,620
On highway.....	fifth wheel 8,070; axle 13,800
Tires	Ply 10; Size 9.00 x 20; Pressure (psi) 65
Shipping dimensions, uncrated	(cu ft) 1,990; (sq ft) 179
Vehicle dimensions:	
Ground clearance.....	(in.) 14
Loading height, empty.....	(in.) 49
Height of fifth wheel, landing gear down.....	(in.) 49 3/4
Cargo space.....	(cu ft) 1,020
Brakes:	
Manufacturer; Bendix-Westinghouse.....	Type: air
Parking brake, type.....	none
Minimum towing vehicle to be used	truck, tractor, 2 1/2 ton, 4 x 2

ADDITIONAL DATA

SEMITRAILER, VAN, 6-TON, 2-WHEEL

(Gramm, Checker, American Bantam, Carolina, Model STV620)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137790

Technical Manual: 9-888; Supply Catalog: SNL G-707.

Classification: Standard.

Purpose: To transport general cargo.

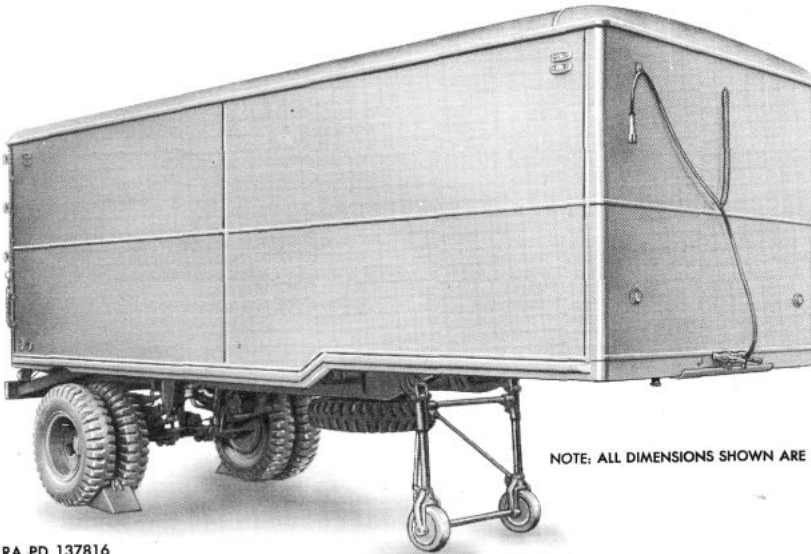
GENERAL DATA

Weight (lb).....Net 7,400
 Payload.....on inferior roads 12,000; on highway 18,000
 Gross.....on inferior roads 19,400; on highway 22,400
Weight distribution (lb):
 Empty.....fifth wheel 2,400; axle 5,000
 Loaded:
 On inferior roads.....fifth wheel 7,500; axle 5,000
 On highway.....fifth wheel 8,800; axle 13,600
Tires.....Ply 10; Size 9.00 x 20; Pressure (psi) 65
Shipping dimensions, uncrated.....(cu ft) 1,795; (sq ft) 167
Vehicle dimensions:
 Ground clearance.....(in.) 17
 Loading height, empty.....(in.) 48 1/4
 Body inside dimensions (in.)
 Length 240.....Width 88; Height: rear 78, front 68 3/4
 Cargo space.....(cu ft) 899
 Height to fifth wheel with landing gear down.....(in.) 52 1/4
Brakes:
 Manufacturer; Bendix-Westinghouse.....Type: air
 Parking brake.....none
Minimum towing vehicle to be used.....truck, tractor, 2 1/2-ton, 4 x 2

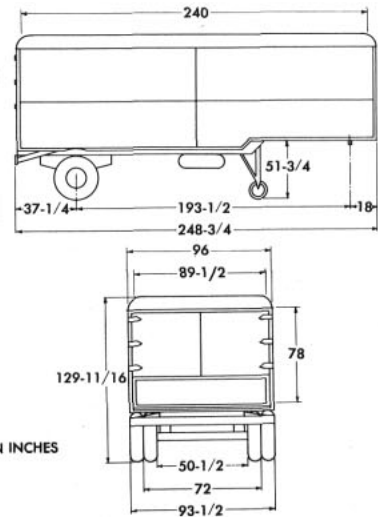
ADDITIONAL DATA

SEMITRAILER, VAN, 6-TON, 2-WHEEL

(Highway, Model SKD 2181)



RA PD 137816



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Technical Manual: 10-1169; Supply Catalog: SNL G-594.

Classification: Standard.

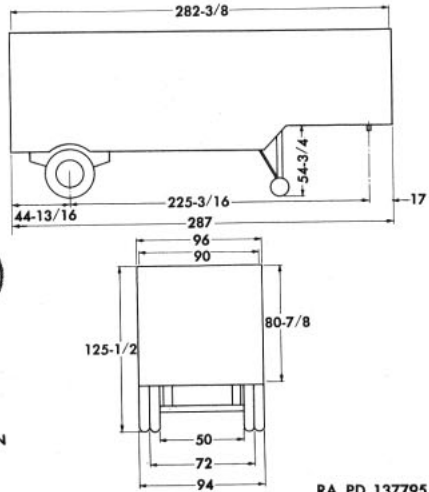
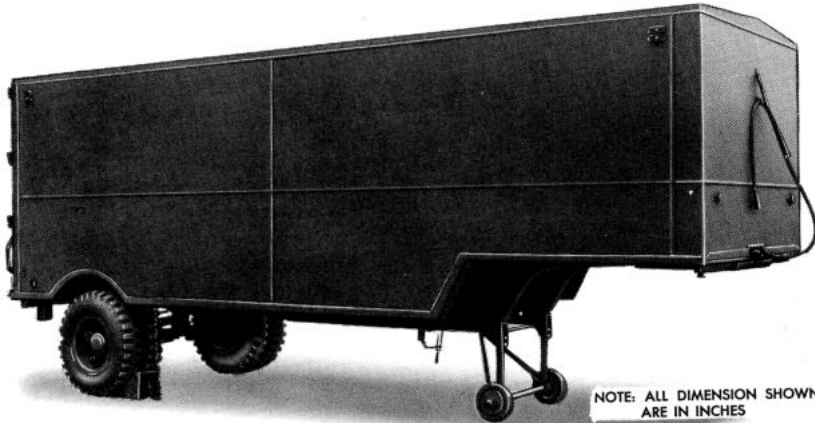
Purpose: To transport general cargo.

GENERAL DATA

Weight (lb) Net.....	7,170
Payload.....on inferior roads 12,000; on highway 16,000	
Gross.....on inferior roads 19,170; on highway 23,170	
Weight distribution (lb):	
Empty.....	fifth wheel 2,090; axle 5,080
Loaded:	
On inferior roads.....	fifth wheel 7,706; axle 11,464
On highway.....	fifth wheel 9,580; axle 13,590
Tires	Ply 10; Size 9.00 x 20; Pressure (psi) 65
Shipping dimensions, uncrated	(cu ft) 1,797; (sq ft) 166
Vehicle dimensions:	
Ground clearance.....	(in.) 14¾
Loading height, empty.....	(in.) 50¾
Height of fifth wheel, landing gear down.....	(in.) 51¾
Cargo space.....	(cu ft) 970
Brakes:	
Manufacturer; Bendix-Westinghouse.....	Type; air
Parking brake.....	none
Minimum towing vehicle to be used	truck, tractor, 2½-ton, 4 x 2

ADDITIONAL DATA

SEMITRAILER, VAN, 6-TON, 2-WHEEL (Highway, Model SKD 2215)



NOTE: ALL DIMENSION SHOWN
ARE IN INCHES

RA PD 137795

Technical Manual: 10-1171; Supply Catalog: SNL G-525.

Classification: Standard.

Purpose: To transport general cargo.

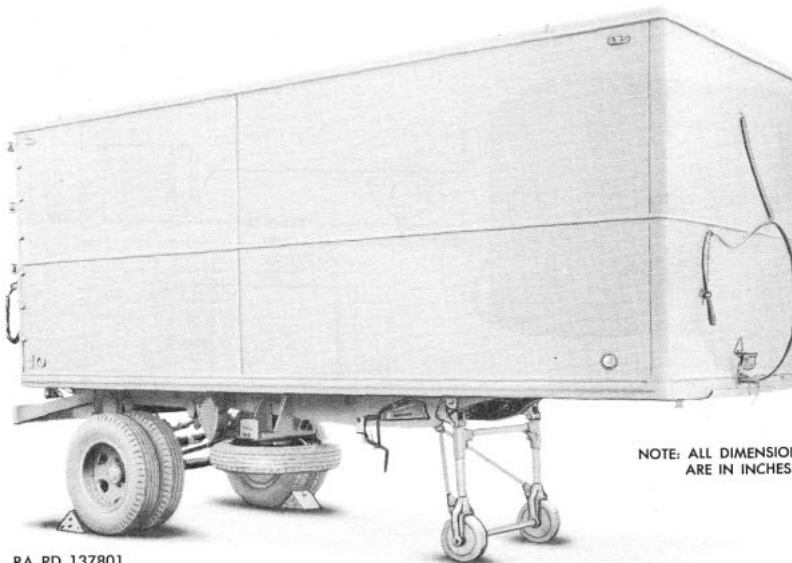
GENERAL DATA

Weight (lb) Net.....8,580
 Payload.....on inferior roads 12,000; on highway 13,500
 Gross.....on inferior roads 20,580; on highway 22,080
Weight distribution (lb):
 Empty.....fifth wheel 2,760; axle 5,820
 Loaded:
 On inferior roads.....fifth wheel 7,720; axle 12,860
 On highway.....fifth wheel 8,350; axle 13,730
Tires.....Ply 10; Size 9.00 x 20; Pressure (psi) 65
Shipping dimensions, uncrated.....(cu ft) 2,016; (sq ft) 192
Vehicle dimensions:
 Ground clearance.....(in.) 14¾
 Loading height, empty.....(in.) 40¾
 Height of fifth wheel, landing gear down.....(in.) 49¾
 Cargo space.....(cu ft) 1,190
Brakes:
 Manufacturer; Bendix-Westinghouse.....Type; air
 Parking brake.....none
Minimum towing vehicle to be used.....truck, tractor, 2½-ton, 4 x 2

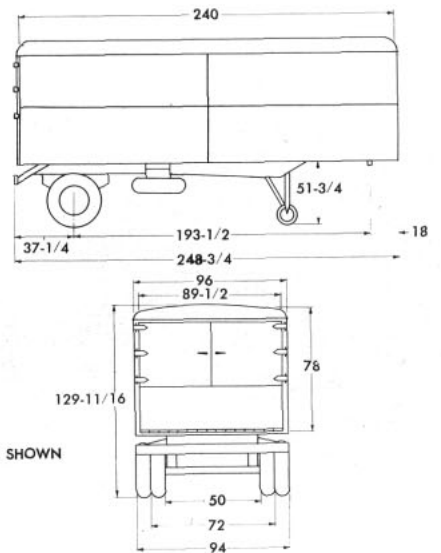
ADDITIONAL DATA

This semitrailer equipped with differential dual wheels.

SEMITRAILER, VAN, 6-TON, 2-WHEEL (Highway, Model SKD 2270)



RA PD 137801



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manual: 10-1381; Supply Catalog: SNL G-594.

Classification: Standard.

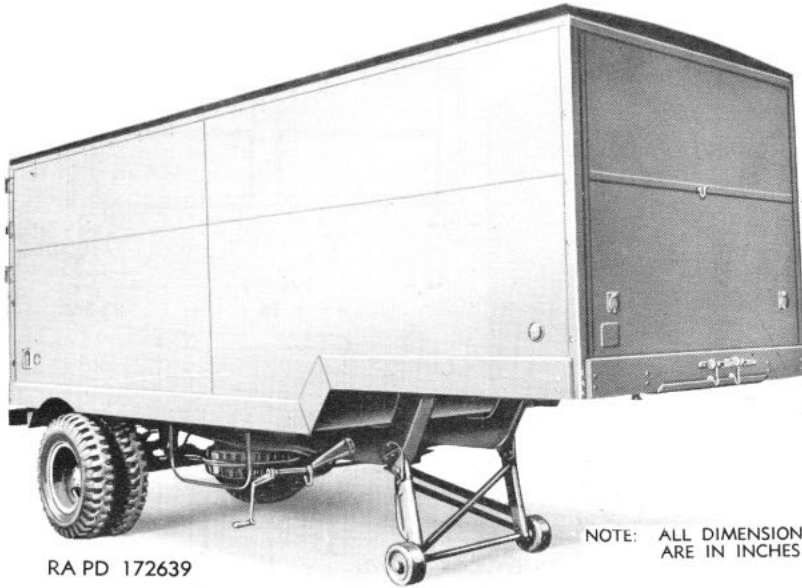
Purpose: To transport general cargo.

GENERAL DATA

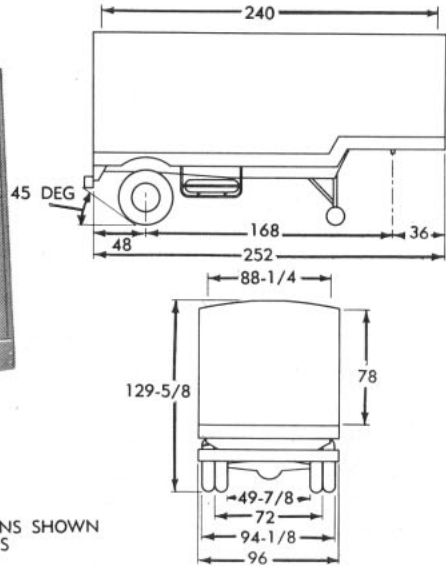
Weight (lb) Net.....	7,267
Payload.....	on inferior roads 12,000; on highway 16,000
Gross.....	on inferior roads 19,267; on highway 23,267
Weight distribution (lb):	
Empty.....	fifth wheel 2,067; axle 5,200
Loaded:	
On inferior roads.....	fifth wheel 7,683; axle 11,584
On highway.....	fifth wheel 9,557; axle 13,710
Tires.....	Ply 10; Size 9.00 x 20; Pressure (psi) 65
Shipping dimensions, uncrated.....	(cu ft) 1,797; (sq ft) 166
Vehicle dimensions:	
Ground clearance.....	(in.) 14 3/4
Loading height, empty.....	(in.) 50 3/4
Height of fifth wheel, landing gear down.....	(in.) 51 3/4
Cargo space.....	(cu ft) 970
Brakes:	
Manufacturer; Bendix-Westinghouse.....	Type: air
Parking brake.....	none
Minimum towing vehicle to be used.....	truck, tractor, 2 1/4-ton, 4 x 2

ADDITIONAL DATA

SEMITRAILER, VAN, 6-TON, 2-WHEEL (Olson, Model LV 10)



RA PD 172639



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manual: 9-888; Supply Catalog: SNL G-545.

Classification: Standard.

Purpose: To transport general cargo.

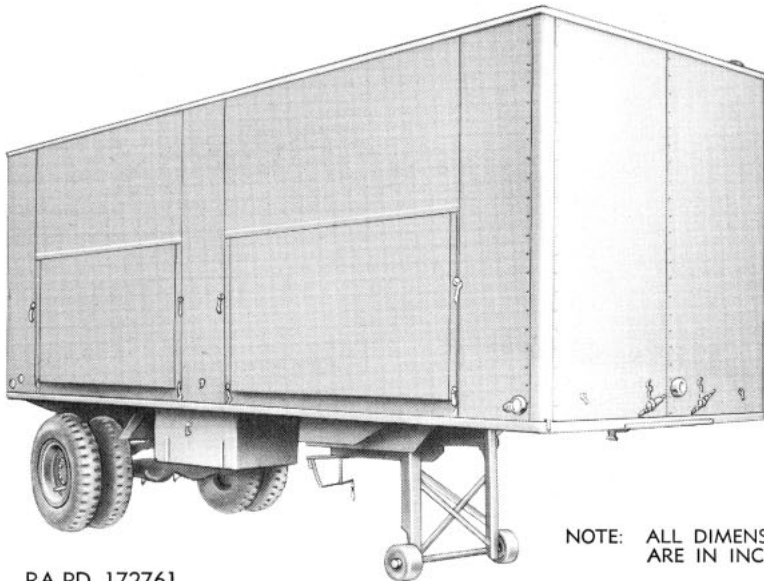
GENERAL DATA

Weight (lb) Net.....	7,970
Payload.....	on inferior roads 12,000; on highway 17,830
Gross.....	on inferior roads 19,970; on highway 25,800
Weight distribution (lb):	
Empty.....	fifth wheel 3,720; axle 4,250
Loaded:	
On inferior roads.....	fifth wheel 9,270; axle 10,700
On highway.....	fifth wheel 12,000; axle 13,800
Tires.....	Ply 10; Size 9.00 x 20; Pressure (psi) 70
Shipping dimensions, uncrated.....	(cu ft) 1,815; (sq ft) 168
Vehicle dimensions:	
Ground clearance.....	(in.) 14 7/8
Loading height, empty.....	(in.) 48 1/2
Height of fifth wheel, landing gear down.....	(in.) 49 1/2
Body inside dimensions (in.).....	Length 240; Width 88 1/4; Height 78
Cargo space.....	(cu ft) 875
Brakes:	
Manufacturer; Bendix-Westinghouse.....	Type: air
Parking brake, type.....	none
Minimum towing vehicle to be used.....	truck, tractor, 4- to 5-ton, 4 x 4

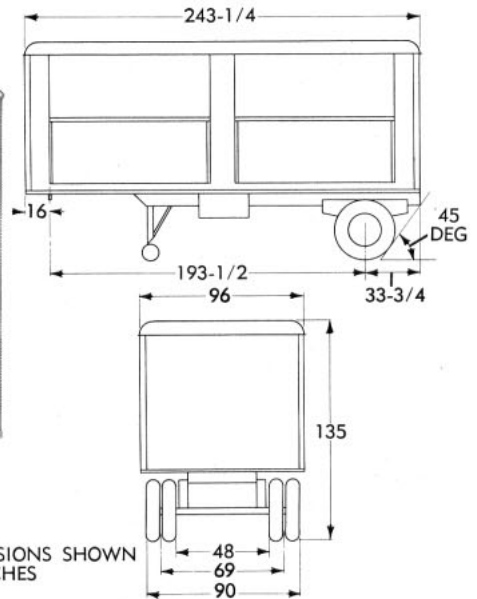
ADDITIONAL DATA

SEMITRAILER, VAN, 6-TON, 2-WHEEL

(Trailmobile, Model B34H, 1941-42)



RA PD 172761



Supply Catalog: SNL G-592.

Classification: Standard.

Purpose: To transport general cargo.

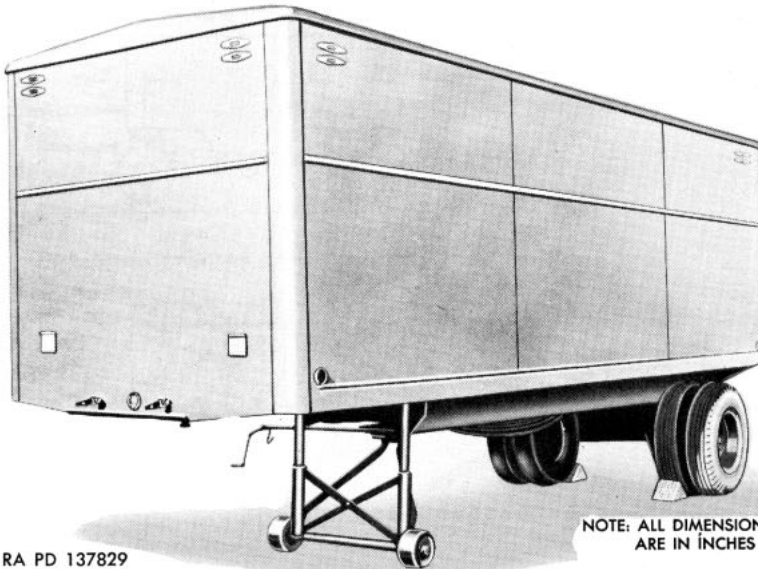
GENERAL DATA

Weight (lb)	Net 7,050
Payload.....	on inferior roads 12,000; on highway 16,800
Gross.....	on inferior roads 19,050; on highway 23,850
Weight distribution (lb):	
Empty.....	fifth wheel 2,260; axle 4,790
Loaded:	
On inferior roads.....	fifth wheel 7,860; axle 11,190
On highway.....	fifth wheel 10,050; axle 13,800
Tires	Ply 10; Size 9.00 x 20; Pressure (psi) 65
Shipping dimensions, uncrated	(cu ft) 1,820; (sq ft) 162
Vehicle dimensions:	
Ground clearance.....	(in.) 17
Loading height, empty.....	(in.) 48
Height of fifth wheel, landing gear down.....	(in.) 45 3/4
Body inside dimensions (in.):	
Length 240.....	Width 89 3/4; Height 78 1/2
Cargo space.....	(cu ft) 980
Brakes:	
Manufacturer; Bendix-Westinghouse.....	Type; air
Parking brake, type.....	wheel chocks
Minimum towing vehicle to be used	Truck, tractor 2 1/2-ton, 4 x 2

ADDITIONAL DATA

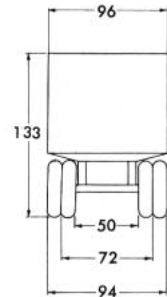
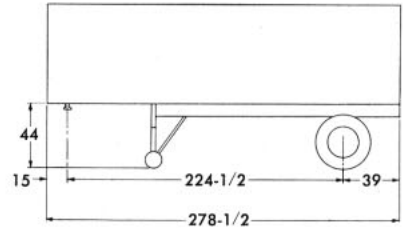
SEMITRAILER, VAN, 6-TON, 2-WHEEL

(Utility, Model G-SW4)



RA PD 137829

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



Technical Manual: 9-888; Supply Catalog: SNL G-588.

Classification: Standard.

Purpose: To transport general cargo.

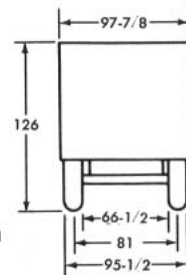
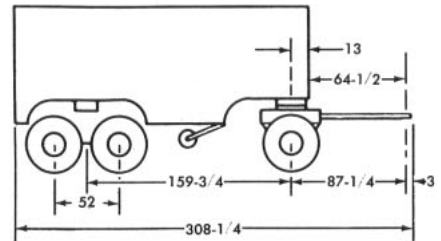
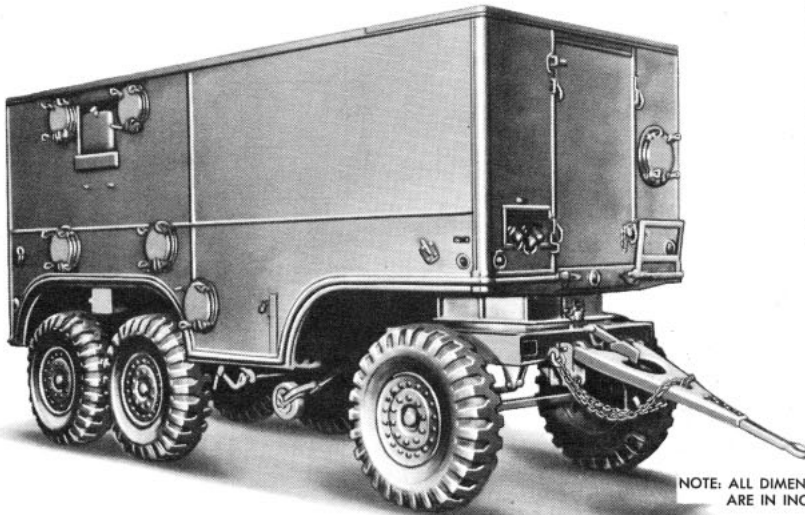
GENERAL DATA

Weight (lb).....Net 7,550
 Payload.....on inferior roads 12,450; on highway 18,000
 Gross.....on inferior roads 20,000; on highway 25,550
Weight distribution (lb):
 Empty.....fifth wheel 2,800; axle 4,750
 Loaded:
 On inferior roads.....fifth wheel 9,025; axle 10,975
 On highway.....fifth wheel 11,800; axle 13,750
Tires.....Ply 10; Size 9.00 x 20; Pressure (psi) 65
Shipping dimensions, uncrated.....(cu ft) 2,060; (sq ft) 186
Vehicle dimensions:
 Ground clearance.....(in.) 15
 Loading height, empty.....(in.) 51½
 Body inside dimensions (in.):
 Length 270.....Width 89¾; Height 78
 Cargo space.....(cu ft) 1,096
 Height of fifth wheel, landing gear down.....(in.) 44
Brakes:
 Manufacturer; Timken.....Type; air
 Parking brake, type.....none
Towing vehicle to be used.....truck, tractor, 4- to 5-ton, 4 x 4

ADDITIONAL DATA

SEMITRAILER, VAN, 7-TON, 4-WHEEL, M26

(Fruehauf, w/DOLLY, 7-ton, 2-wheel, trailer converter, Model C2); (Signal Corps Model V9/MPC-1)



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

RA PD 137860

Technical Manual: 9-884; Supply Catalog: SNL G-713.

Classification: Standard.

Purpose: To transport gun computer M8N and M8P.

GENERAL DATA

Weight (lb):
 As semitrailer.....Net 13,030; Payload 14,000; Gross 27,030
 W/dolly.....Net 15,500; Payload 14,000; Gross 29,500

Weight distribution (lb):
 As semitrailer.....fifth wheel 7,200; bogie axle (each) 9,915
 W/dolly.....dolly axle 9,670; bogie axle (each) 9,915

Tires.....Ply 12; Size 14.00 x 20; Pressure (psi) 90

Shipping dimensions, uncrated.....(cu ft) 2,210 ;(sq ft) 210

Vehicle dimensions:
 Ground clearance.....(in.) 14
 Loading height.....(in.) 35
 Pintle height.....(in.) 24
 Height of fifth wheel, landing gear down.....(in.) 48 3/4
 Body inside dimensions (in.):
 Length 227 3/4.....Width 90 1/4; Height 84 3/4
 Cargo space.....(cu ft) 1,010

Brakes:
 Manufacturer; Fruehauf.....Type; air
 Parking brake.....none

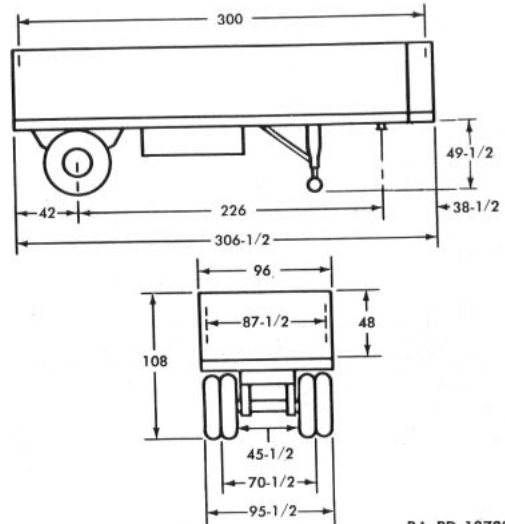
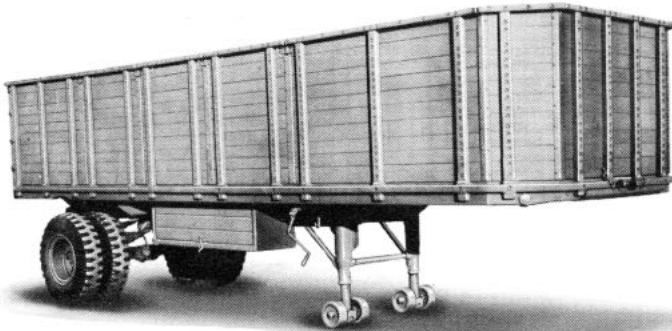
Minimum towing vehicles to be used
 truck, tractor, 4- to 5-ton, 4 x 4; truck, 4-ton, 6 x 6

ADDITIONAL DATA

Van body watertight for amphibious operations.
 Weight of dolly 2,470 lb.

SEMITRAILER, STAKE AND PLATFORM, 10-TON, 2-WHEEL

(A. J. Miller, American Body, Carter, Coleman, Dorsey, Fruehauf, Highway, Keystone, Kreiger Steel, Omaha Std Body, Oneida, Pike, Queen City Trailer, Springfield Trailer, Strick, Timpte, Trailer Co of America, Utility, Winter-Weiss, Models 1025 and SKD 2361)



RA PD 137834

Technical Manual: 9-892; Supply Catalog: SNL G-676.

Vehicle illustrated: Highway Trailer Co.
Classification: Standard.

Purpose: Used by Transportation Corps and Ordnance
to transport general cargo.

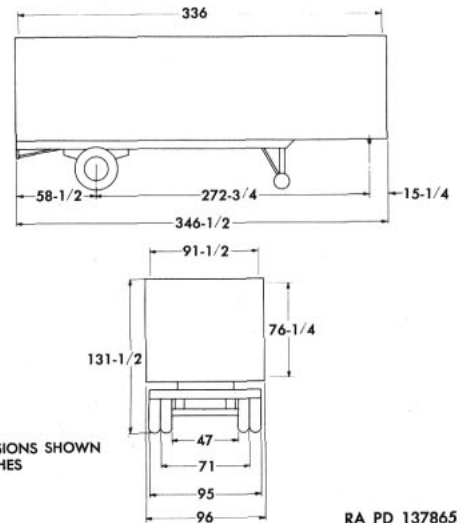
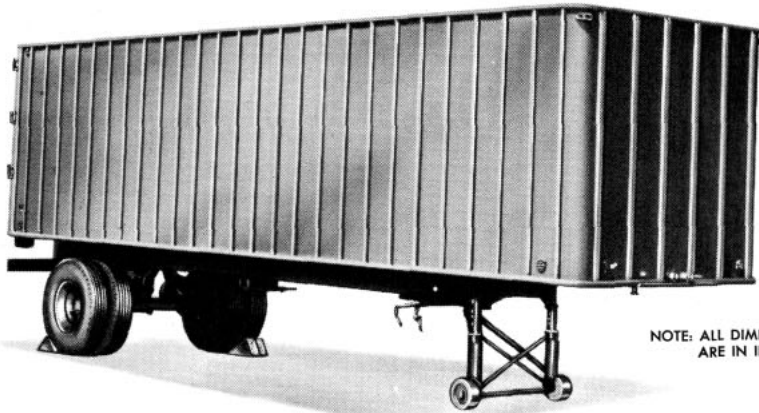
GENERAL DATA

Weight (lb): Net.....9,430
Payload.....on inferior roads 20,000; on highway 22,000
Gross.....on inferior roads 29,430; on highway 31,430
Weight distribution (lb):
Empty.....fifth wheel 3,390; axle 6,040
Loaded:
On inferior roads.....fifth wheel 12,520; axle 16,910
On highway.....fifth wheel 13,450; axle 17,980
Tires.....Ply 14; Size 11.00 x 20; Pressure (psi) 80
Shipping dimensions, uncrated.....(cu ft) 1,785; (sq ft) 204
Vehicle dimensions:
Ground clearance.....(in.) 16
Loading height.....(in.) 53½
Height of fifth wheel, landing gear down.....(in.) 52¼
Cargo space.....(cu ft) 730
Brakes:
Manufacturer; Timken.....Type; air
Parking brakes.....none
Minimum towing vehicle to be used.....truck, tractor, 5-ton, 4 x 2

ADDITIONAL DATA

SEMITRAILER, VAN, 11-TON, 2-WHEEL

(Black Diamond, Model SC728 (28 ft) 1944; Fruehauf, Model FF22BL (28 ft); Kentucky, Model C; Omaha Standard Body, Model F16 (28 ft) 1944; Reliance, Model STV1128; Trailer Co. of America, Model B34H15 (28 ft) 1944)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137865

Technical Manuals: 9-894, 9-896; Supply Catalogs: Black Diamond: SNL G-682; Fruehauf: SNL G-723; Kentucky: SNL G-706; Omaha Standard Body: SNL G-677; Reliance: SNL-G712; Trailer Co. of America: SNL G-681.

Vehicle illustrated: Black Diamond.

Classification: Standard.

Purpose: To transport general cargo.

GENERAL DATA

Weight (lb):
 Net.....8,830
 Payload.....on highway 22,000; Gross 30,830

Weight distribution (lb):
 Empty.....fifth wheel 2,740; axle 6,090
 Loaded; on highway.....fifth wheel 13,070; axle 17,760

Tires.....Ply 12; Size 10.00 x 20; Pressure (psi) 70

Shipping dimensions, uncrated.....(cu ft) 2,532; (sq ft) 252

Vehicle dimensions:
 Ground clearance.....(in.) 16½
 Loading height, empty.....(in.) 51¾
 Height of fifth wheel, landing gear down.....(in.) 49¾
 Cargo space.....(cu ft) 1,355

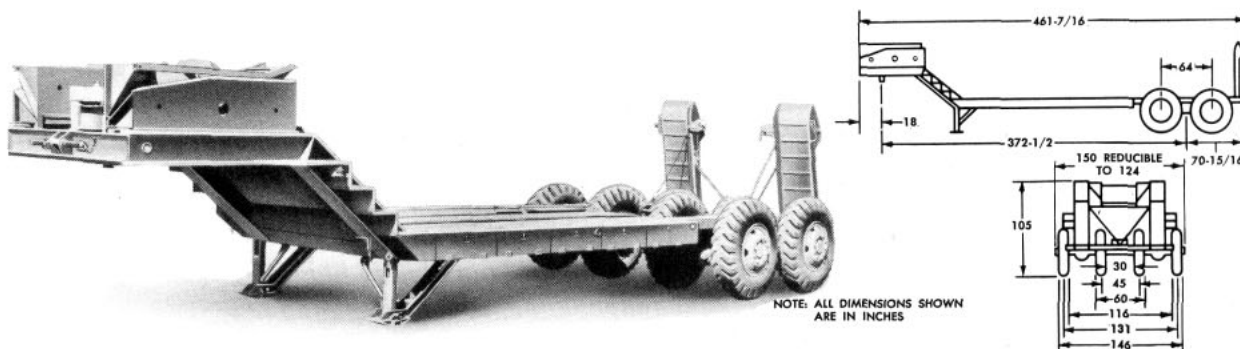
Brakes:
 Manufacturer; Bendix-Westinghouse.....Type; air
 Parking brake.....none

Minimum towing vehicle to be used.....truck, tractor, 4- to 5-ton, 4 x 4

ADDITIONAL DATA

SEMITRAILER, TRANSPORTER, 40-TON, 8-WHEEL, M-15

(Used w/TRUCK, 12-ton, 6 x 6, tractor, M26 or M26A1 as component of TRUCK-TRAILER, 40-ton, tank recovery, M25)



RA PD 137723

Technical Manuals: 9-767, 9-1767E; Supply Catalog: SNL G-160.

Classification: Limited Standard.

Purpose: To recover and transport damaged tanks and matériel up to 80,000 pounds.

GENERAL DATA

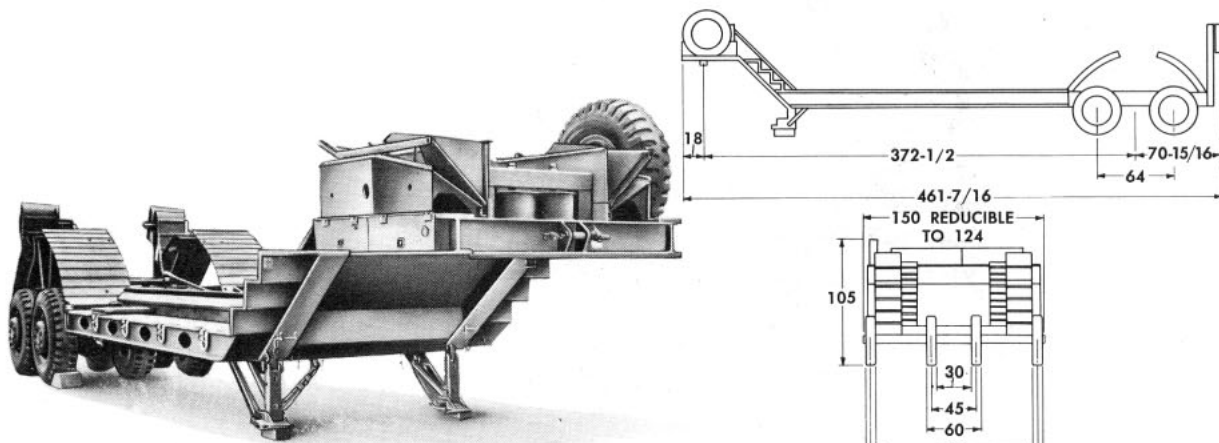
Weight (lb).....Net 42,370; Payload 80,000; Gross 122,370
Weight distribution (lb):
 Empty: fifth wheel 14,170.....8 rear wheels 28,200
 Loaded: fifth wheel 52,670.....8 rear wheels 69,700
Tires.....Ply 20; Size 14.00 x 24; Pressure (psi) 90
Shipping dimensions, uncrated.....(cu ft) 3,490; (sq ft) 398
Vehicle dimensions:
 Ground clearance.....(in.) 28
 Loading height.....(in.) 40½
 Height of fifth wheel, landing gear down.....(in.) 67¾
Brakes:
 Manufacturer; Fruehauf.....Type; air
 Parking brake.....none
Towing vehicle to be used.....truck, tractor, M26 or M26A1

ADDITIONAL DATA

Rear wheels retractable to reduce vehicle width from 150 to 124 in. for shipment.

SEMITRAILER, TRANSPORTER, 45-TON, 8-WHEEL, M15A1

(Used w/TRUCK, 12-ton, 6 x 6, tractor, M26 or M26A1 as component of TRUCK-TRAILER, 40-ton, tank recovery, M25)



RA PD 137753

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-767, 9-1767E; Supply Catalog: SNL G-160.

Classification: Substitute Standard.

Purpose: To recover and transport damaged tanks and matériel up to 90,000 pounds.

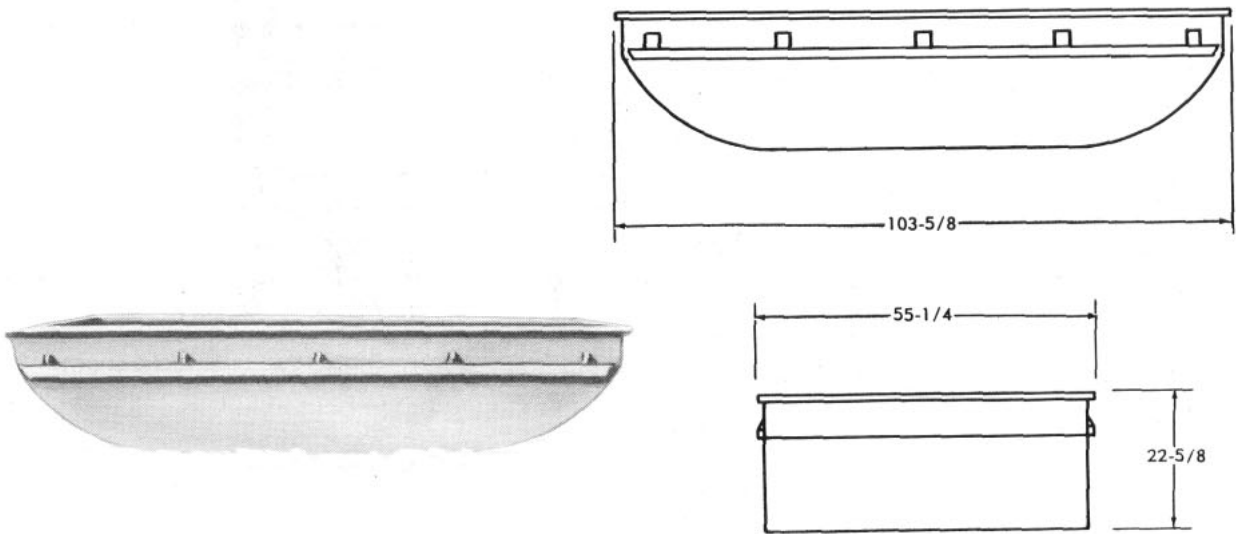
GENERAL DATA

Weight (lb).....Net 42,370; Payload 90,000; Gross 132,370
Weight distribution (lb):
 Empty.....fifth wheel 14,170; 8 rear wheels 28,200
 Loaded.....fifth wheel 57,500; 8 rear wheels 74,870
Tires.....Ply 20; Size 14.00 x 24; Pressure (psi) 90
Shipping dimensions, uncrated.....(cu ft) 3,490; (sq ft) 398
Vehicle dimensions:
 Ground clearance.....(in.) 28
 Loading height.....(in.) 40½
 Height of fifth wheel, landing gear down.....(in.) 67¾
Brakes:
 Manufacturer; Fruehauf.....Type; air
 Parking brake.....none
Towing vehicle to be used.....truck, tractor, M26 or M26A1

ADDITIONAL DATA

Rear wheels retractable to reduce width from 150 to 124 in. for shipment.

SLED, CARGO, 1-TON, M1



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172686

Supply Catalog: SNL G-721.

Classification: Substitute Standard.

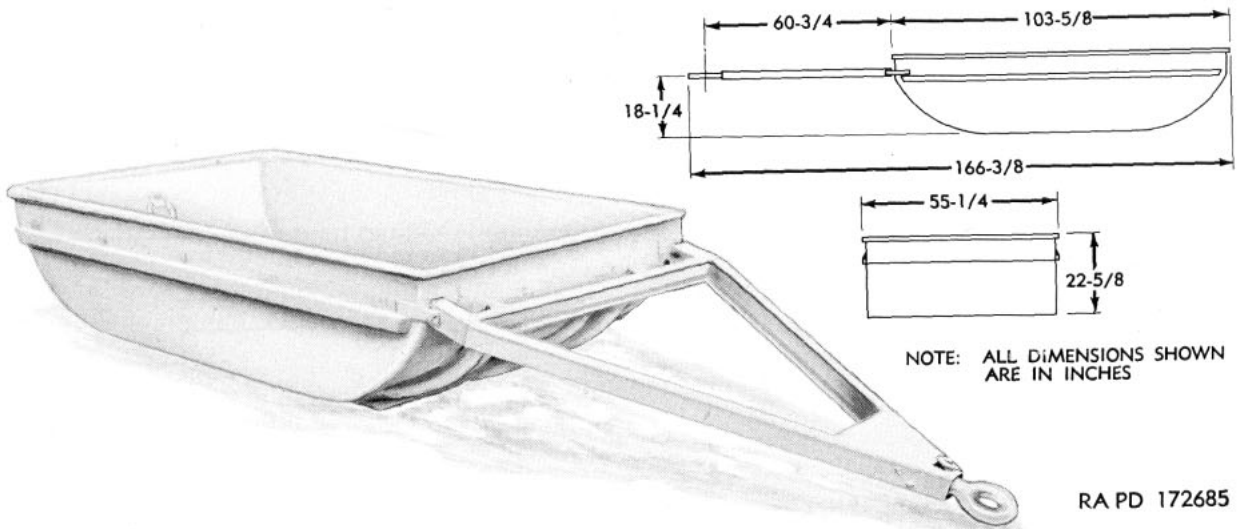
Purpose: To transport cargo over snow and ice.

GENERAL DATA

Weight (lb).....Net 500; Payload 2,000; Gross 2,500
Shipping dimensions, uncrated.....(cu ft) 75; (sq ft) 40
Vehicle dimensions:
Loading height, empty.....(in.) 22 5/8
Body inside dimensions (in.):
Length 101.....Width 53; Height 20
Cargo space.....(cu ft) 62
Towing vehicle to be used...Any vehicle equipped with a pintle and traction devices.

ADDITIONAL DATA

SLED, CARGO, 1-TON, M1A1



Supply Catalog: SNL G-737.

Classification: Standard.

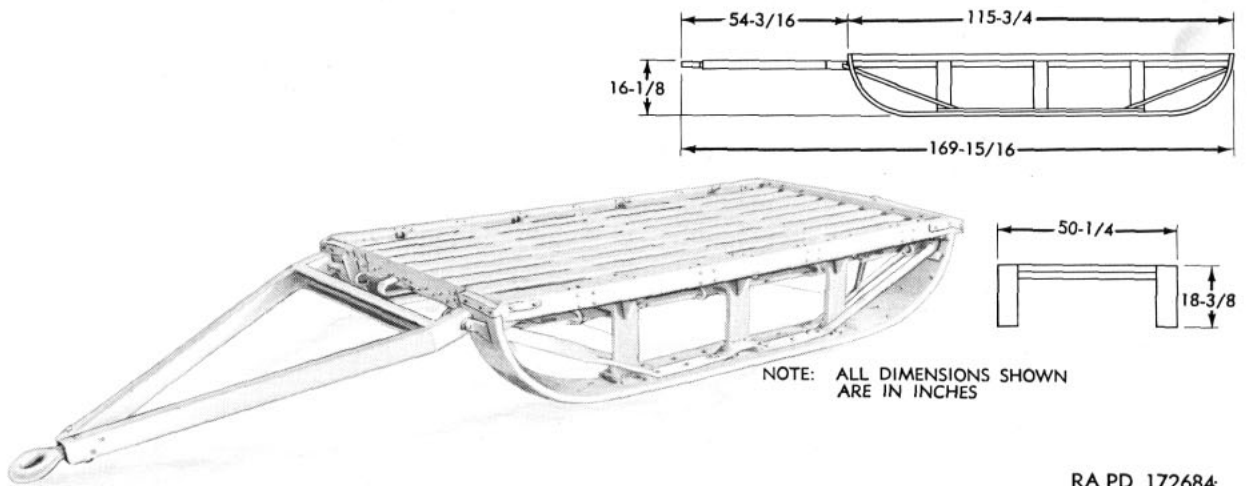
Purpose: To transport cargo over snow and ice.

GENERAL DATA

Weight (lb).....Net 560; Payload 2,000; Gross 2,560
 Shipping dimensions, uncased (w/drawbar removed)....(cu ft) 75; (sq ft) 40
 Vehicle dimensions:
 Loading height, empty.....(in.) 22 $\frac{5}{8}$
 Body inside dimensions (in.):
 Length 101.....Width 53; Height 20
 Cargo space.....(cu ft) 62
 Towing vehicle to be used...Any vehicle equipped with a pintle and traction devices.

ADDITIONAL DATA

SLED, CARGO, 1-TON, M14



Supply Catalog: SNL G-738.

Classification: Substitute Standard.

Purpose: To transport cargo over snow and ice.

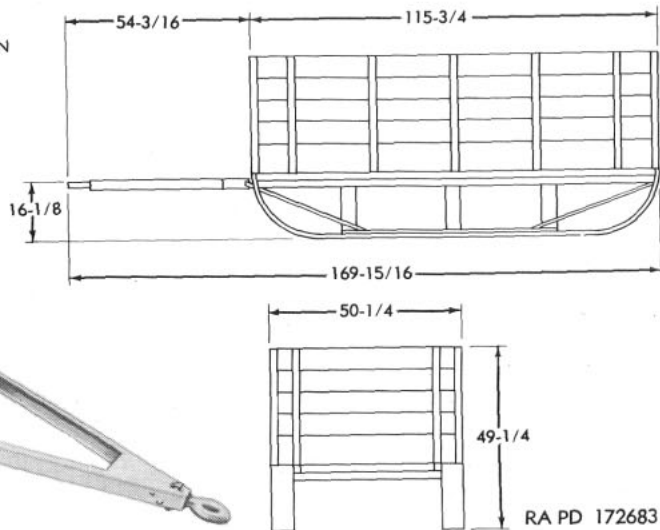
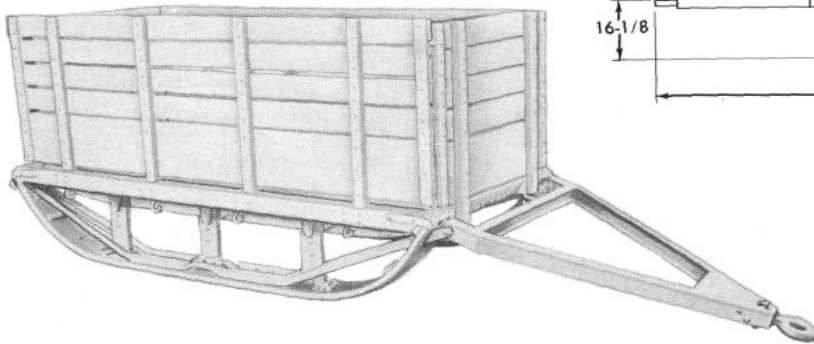
GENERAL DATA

Weight (lb).....Net 610; Payload 2,000; Gross 2,610
 Shipping dimensions, uncrated (w/drawbar removed).....(cu ft) 62; (sq ft) 41
 Vehicle dimensions:
 Loading height, empty.....(in.) 18 3/8
 Cargo space.....(cu ft) none
 Towing vehicle to be used.....Any vehicle equipped with
 a pintle and traction devices.

ADDITIONAL DATA

SLED, CARGO, 1-TON, M14A1

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 172683

Supply Catalog: SNL G-739.

Classification: Standard.

Purpose: To transport cargo over snow and ice.

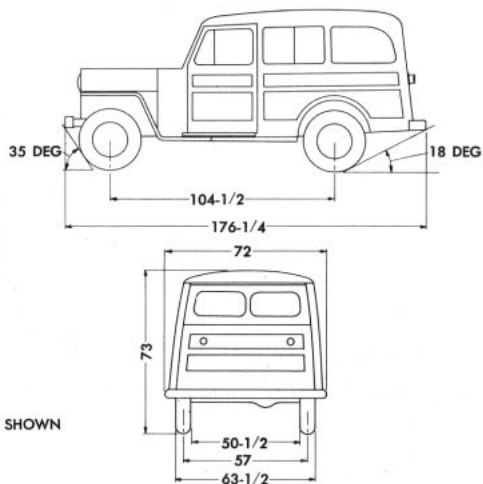
GENERAL DATA

Weight (lb)..... Net 600; Payload 2,000; Gross 2,610
 Shipping dimensions, uncrated (w/draw bar removed)..... (cu ft) 169; (sq ft) 41
 Vehicle dimensions:
 Loading height, empty..... (in.) 18 3/4
 Body inside dimensions (in.):
 Length 110..... Width 48; Height 20 1/4
 Cargo space..... (cu ft) 61
 Towing vehicle to be used..... Any vehicle equipped with
 a pintle and traction devices.

ADDITIONAL DATA

STATION WAGON, 7-PASSENGER, 4 x 2

(Willys, Models 4-63, 1948-49; 4-73-SW, 1950)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137845

Vehicle illustrated: Model 4-73-SW, 1950.
Classification: Nonclassified.

GENERAL DATA

Crew 1; Passengers (including crew) 7
Weight (lb) Net 2,943; Payload 1,057; Gross 4,000
Rear-axle gear ratio 5.38:1
Axle load (lb):
 Empty front 1,293; rear 1,650
 Loaded front 1,600; rear 2,600
Tires:
 Ply 4; Size 6.70 x 15; Pressure (psi) front 20; rear 24
 Tread, center-to-center, front (in.) 55 1/4
Shipping dimensions, uncrated (cu ft) 535; (sq ft) 88
Ground clearance (in.) 8 3/4
Electrical system (volts) 6
 No. of batteries 1
 Type of ground negative
Fuel octane rating 70
Capacities:
 Fuel (gal) 15
 Cooling system (qt) w/o heater 11; w/heater 12
 Crankcase, refill (qt) 4
 Transmission (qt) 3/4
 Rear axle (qt) 1
Brakes:
 Manufacturer; Bendix Type; hydraulic
 Parking brake, type rear-wheel
Transmission forward speeds 3
 Gear ratio High 1:1; Low 2.6:1

Purpose: To transport personnel.

PERFORMANCE

Computed grade ability in lowest gear, loaded (percent) 22
Turning radius (ft) 17 1/2
Fording depth (in.) 18
Fuel consumption, loaded (mpg) 20
Cruising range, loaded (mi) 300
Allowable speed, recommended (mph) 65

ENGINE

Manufacturer: Willys Model 473
Type F-head, 4-cycle; No. of cylinders (in line) 4
Displacement (cu in.) 134.2
Bore (in.) 3 1/4
Stroke (in.) 4 3/8
Compression ratio 7.4:1
Governed speed not governed
Brake horsepower (max w/std accessories) 64 at (rpm) 4,000
Torque (max) 114 lb-ft at (rpm) 2,000

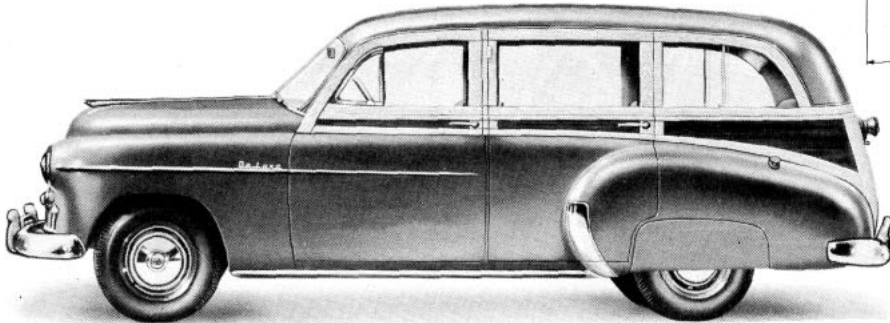
ADDITIONAL DATA

Rear axle, type hypoid, semifloating
Transmission, type synchromesh

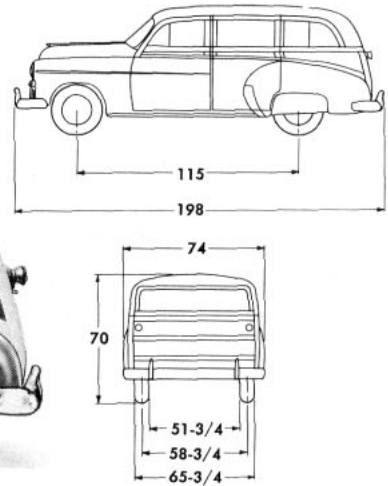
STATION WAGON, 8-PASSENGER, 4 x 2

(Chevrolet, Model 2109, 1949)

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137799



Classification: Nonclassified.

Purpose: To transport personnel.

GENERAL DATA

Crew.....1; Passengers (including crew) 8
Weight (lb).....Net 3,615; Payload 1,280; Gross 4,895
Rear-axle gear ratio.....4.11:1
Axle load (lb):
 Empty.....front 1,725; rear 1,890
 Loaded.....front 1,968; rear 2,927
Tires:
 Ply 6.....Size 6.70 x 15; Pressure (psi) front 24; rear 30
 Tread, center-to-center, front.....(in.) 57
Shipping dimensions, uncrated.....(cu ft) 605; (sq ft) 102
Ground clearance.....(in.) 8 1/2
Electrical system.....(volts) 6
 No. of batteries.....1
 Type of ground.....negative
Fuel octane rating.....72
Capacities:
 Fuel.....(gal) 16
 Cooling system (qt).....w/heater 16; w/o heater 15
 Crankcase, refill.....(qt) 5
 Transmission.....(qt) 34
 Rear axle.....(qt) 1 3/4
Brakes:
 Manufacturer; Chevrolet.....Type; hydraulic
 Parking brake, type.....rear-wheel
Transmission forward speeds.....3
 Gear ratio.....High 1:1; Low 2.94:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....(percent) 30
Turning radius (ft).....right 19 1/4; left 19 3/4
Fording depth.....(in.) 15
Fuel consumption, loaded.....(mpg) 14
Cruising range, recommended.....(mi) 224
Allowable speed, recommended.....(mph) 65

ENGINE

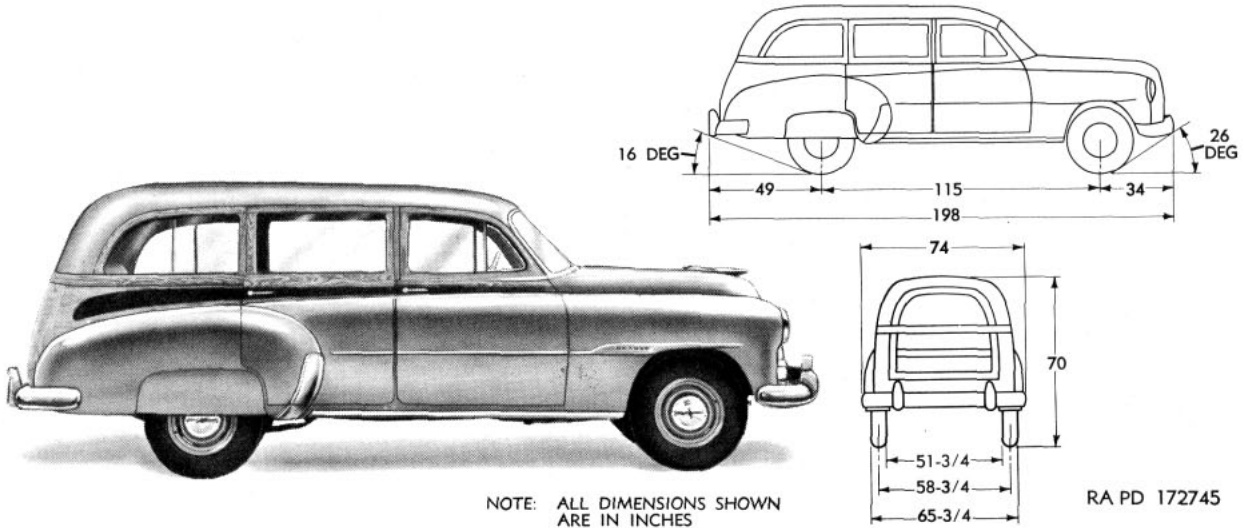
Manufacturer: Chevrolet.....Model GAA or GAM 1001 up
Type.....Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement.....(cu in.) 216.5
Bore.....(in.) 3 1/2
Stroke.....(in.) 3 3/4
Compression ratio.....6.6:1
Governed speed.....not governed
Brake horsepower (max w/std accessories).....83 at (rpm) 3,200
Torque (max).....168 lb-ft at (rpm) 1,100

ADDITIONAL DATA

Rear axle, type.....hypoid, semifloating
Transmission, type.....synchromesh

STATION WAGON, 8-PASSENGER, 4 x 2

(Chevrolet, Model 2119)



Classification: Standard.

Purpose: To transport personnel.

GENERAL DATA

Crew	1; No. Passengers (including crew) 8
Weight (lb)	Net 3,580
Payload.....	1,400
Gross.....	4,980
Rear-axle gear ratio	4.11:1
Axle load (lb):	
Empty.....	front 1,715; rear 1,865
Loaded.....	front 1,905; rear 3,075
Tires:	
Ply 6; Size 6.70 x 15; Pressure.....	(psi) front 26; rear 30
Tread, center-to-center, front.....	(in.) 56 1/4
Shipping dimensions, uncrated	(cu ft) 593; (sq ft) 102
Ground clearance	(in.) 8
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 16
Cooling system (qt).....	w/o heater 15; w/heater 16
Crankcase, refill.....	(qt) 5
Transmission.....	(qt) 3 1/4
Rear axle.....	(qt) 1 3/4
Brakes:	
Manufacturer; Chevrolet.....	Type; hydraulic
Parking brake, type.....	rear-wheel
Transmission for forward speeds	3
Gear ratio.....	High 1:1; Low 2.94:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 30
Turning radius (ft)	Right 18 1/2; Left 19
Fording depth	(in.) 13
Fuel consumption, loaded	(mpg) 12
Cruising range, loaded	(mi) 192
Allowable speed, recommended	(mph) 65

ENGINE

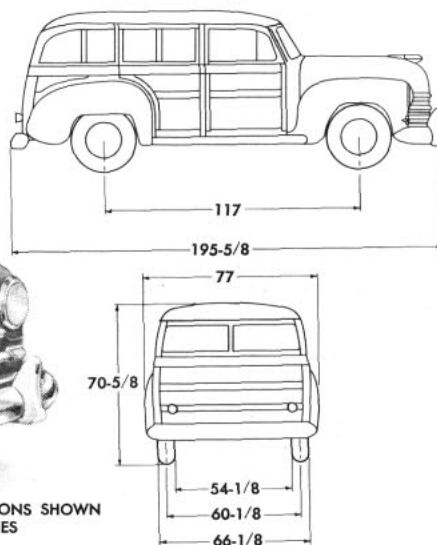
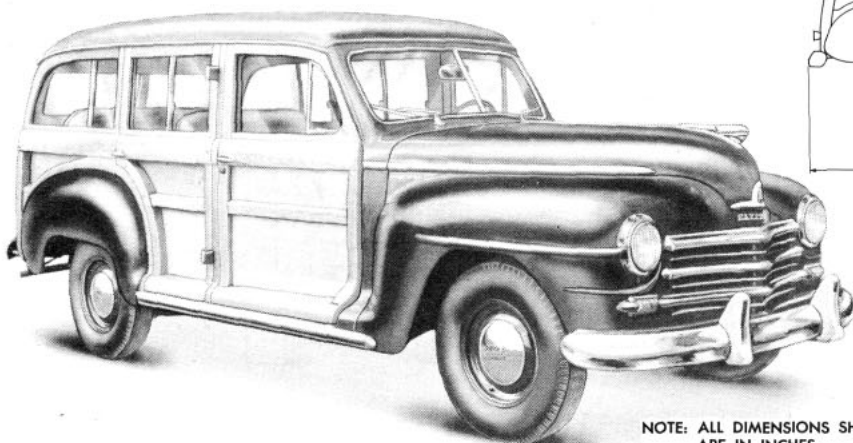
Manufacturer: Chevrolet.....	Model HA or JA
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 216.5
Bore	(in.) 3 1/2
Stroke	(in.) 3 3/4
Compression ratio	6.6:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	85 at (rpm) 3,300
Torque (max w/std accessories)	170 lb-ft at (rpm) 1,000-2,000

ADDITIONAL DATA

Rear axle, type	semifloating hypoid
Transmission, type	synchromesh

STATION WAGON, 8-PASSENGER, 4 x 2

(Plymouth, Model P15S, 1948)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137797

Classification: Standard.

Purpose: To transport personnel.

GENERAL DATA

Crew.....1; Passengers (including crew) 8
Weight (lb).....Net 3,525; Payload 1,200; Gross 4,725
Rear-axle gear ratio.....4.1:1
Axle load (lb):
 Empty.....front 1,735; rear 1,790
 Loaded.....front 2,076; rear 2,649
Tires:
 Ply 4.....Size 6.00 x 16; Pressure (psi) 28
 Tread, center-to-center, front.....(in.) 57
Shipping dimensions, uncrated.....(cu ft) 615; (sq ft) 105
Ground clearance.....(in.) 8 3/4
Electrical system.....(volts) 6
 No. of batteries.....1
 Type of ground.....positive
Fuel octane rating.....72
Capacities:
 Fuel.....(gal) 17
 Cooling system (qt).....w/heater 16; w/o heater 15
 Crankcase, refill.....(qt) 5
 Transmission.....(qt) 13 1/4
 Rear axle.....(qt) 1 3/4
Brakes:
 Manufacturer; Chrysler.....Type; hydraulic
 Parking brake, type.....transmission
Transmission forward speeds.....3
 Gear ratio.....High 1:1; Low 2.57:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....(percent) 32
Turning radius.....(ft) 39

ENGINE

Manufacturer: Chrysler.....Model Plymouth P15
Type.....L-head, 4-cycle; No. of cylinders (in line) 6
Displacement.....(cu in.) 217.8
Bore.....(in.) 3 1/4
Stroke.....(in.) 4 3/4
Compression ratio.....6.6:1
Governed speed.....not governed
Brake horsepower (max w/std accessories).....95 at (rpm) 3,600
Torque (max).....176 lb-ft at (rpm) 1,200

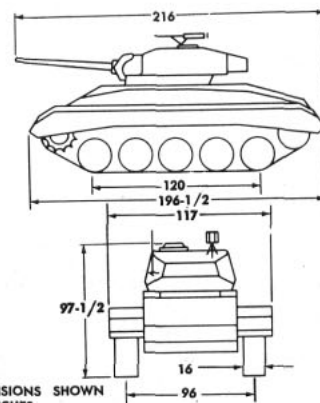
ADDITIONAL DATA

Rear axle, type.....hypoid, semi-floating
Transmission, type.....synchromesh

TANK, LIGHT, M24



RA PD 137718



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Technical Manuals: 9-729, 9-1727K, 9-1729A, 9-1729B, 9-1729C, 9-1731D, 9-1825A, 9-1826A, 9-1828A, 9-1829A; Supply Catalog: SNL G-200.

Classification: Standard.

Armament: 1 gun, 75-mm, M6, turret mounted; 2 guns, machine, cal. .30, Browning, M1919A4 (flexible); 1 mounted coaxially with main armament, 1 ball mounted at right front of hull; 1 gun, machine, cal. .50, Browning, M2, heavy barrel (flexible) pintle mounted on top of turret.

Ammunition: 48 rounds, 75-mm; 420 rounds, cal. .50; 180 rounds cal. .45 for sub-machine-gun; 4,125 rounds cal. .30; 90 rounds cal. .30, carbine; 8 hand grenades; 12 ground signals.

GENERAL DATA

Crew	5
Weight, fighting	(lb) 40,500
Shipping dimensions, uncrated	(cu ft) 1,310; (sq ft) 161
Ground pressure	(psi) 11
Ground clearance	(in.) 18
Pintle height, loaded	(in.) 20
Electrical system	(volts) 24
No. of batteries	(6-volt) 4
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 110
Cooling system	(each) (qt) 40
Crankcase, refill	(each) (qt) 9
Transmission (hydramatic)	(each) (qt) 15
Differential	(qt) 20
Transfer	(qt) 4 1/2
Final drive	(each) (qt) 2
Brakes	mechanical, controlled-differential
Parking brake, type	Depressor knobs for locking steering brakes
Transmission forward speeds	4
Gear ratio	High 1:1; Third 1.55:1; Low 3.92:1
Transfer speeds	Forward 2; Reverse 1
Gear ratio	High 1.03:1; Low 2.34:1; Reverse 2.44:1
Differential-drive gear ratio	2.62:1
Final-drive gear ratio	2.94:1
Hull construction	welded homogeneous armor plate

Purpose: To provide mobile fire power and crew protection in offensive combat.

Fire Control and Vision Devices: Periscope, M10P or periscope M4A1 w/telescope, M77G or M38A2 (gunner's); periscope, M13 or M13B1 or M6 or periscope, M15 or M15A1 (vision); quadrant, elevation, M9; quadrant, gunner's M1; telescope, M83F or M71K (sight); indicator, azimuth, M19.

Communications: (SCR-508 or SCR-528 or SCR-608 or SCR-628 or RC-99) and (RC-298) and (AN/VRC-3); or (SCR-508 or SCR-528 or AN/GRC-3, -4, -5, -6, -7, or -8).

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 23
Fording depth	(in.) 40
Maximum width of ditch vehicle can cross	(in.) 96
Maximum vertical obstacle vehicle can climb	(in.) 36
Fuel consumption (average conditions)	(mpg) 7 1/2
Cruising range (average conditions)	(mi) 100
Allowable speed, recommended	(mph) 34
Maximum allowable towed load, gross	(lb) 10000

ENGINE

Manufacturer; Cadillac	No. used 2; Model 44T24
Type	4-cycle, L-head; No. of cylinders (90-deg V) 8
Displacement	(cu in.) 349
Bore	(in.) 3 1/2
Stroke	(in.) 4 1/2
Compression ratio	7.06:1
Brake horsepower (max w/std accessories)	110 at (rpm) 3,400
Torque (max w/std accessories)	240 lb-ft at (rpm) 1,200
Type of ignition	distributor

ADDITIONAL DATA

Data given for vehicle equipped with track, steel, T72. Track, steel, T72E1 is interchangeable. Track, rubber, T85E1 applicable with changed sprocket.

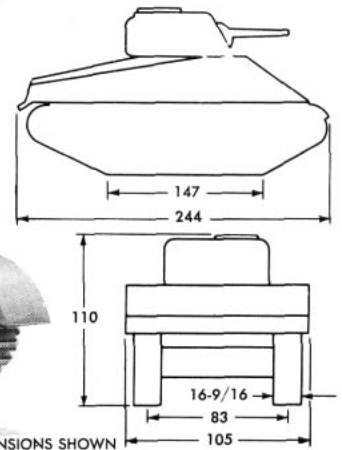
Equipped with elevation stabilizer.

Manual and power turret-traversing mechanism.

TANK, MEDIUM, M4A1, 75-MM GUN



RA PD 137776



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-731A, 9-731AA, 9-1725, 9-1731G, 9-1731K, 9-1750A, 9-1750B, 9-1750C, 9-1750D, 9-1750K, 9-1825B, 9-1826B, 9-1828A, 9-1829A; **Supply Catalog:** SNL G-104.

Classification: Limited Standard.

Armament: 1 gun, 75-mm, M3, turret mounted; 2 guns, machine, cal. .30, Browning, M1919A4 (flexible), 1 mounted coaxially with main armament, 1 ball mounted at right front of hull; 1 gun, machine, cal. .50, Browning, M2, heavy barrel (flexible), mounted on revolving hatch on top of turret.

Ammunition: 90 rounds, 75-mm; 300 rounds, cal. .50; 4,750 rounds, cal. .30; 900 rounds, cal. .45 for sub-machine gun; 12 hand grenades; 12 2-inch smoke bombs.

Communications: (SCR-508 or SCR-608 or SCR-528 or AN/GRC-3, -4, -5, -6, -7, or -8) and (RC-298); or (SCR-508 or SCR-528) and (RC-298) and (AN/VRC-3); or (AN/VRC-3) and (RC-99) and (RC-298).

GENERAL DATA

Crew	5
Weight, fighting	(lb) 67,700
Shipping dimensions, uncrated	(cu ft) 1,605; (sq ft) 175
Ground pressure	(psi) 13.9
Ground clearance	(in.) 17 1/4
Pintle height, loaded	(in.) 21 1/4
Electrical system	(volts) 24
No. of batteries	(12-volt) 2
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 175
Auxiliary-engine fuel tank	(gal) 5
Engine oil tank	(qt) 36
Transmission, differential, and final drives (qt):	
Three-piece, round-nose	152
One-piece, sharp-nose	164
Brakes	mechanical, controlled-differential
Parking brake, type:	
Early models	rear of transmission
Late models	pedal for locking steering brakes
Transmission forward speeds	5
Gear ratio	High 0.73:1; Fourth 1:1; Low 7.56:1
Differential-drive gear ratio	3.53:1
Final-drive gear ratio	2.84:1
Hull construction	welded homogeneous cast and plate armor
Armor, turret	cast homogeneous

Purpose: To provide mobile fire power and crew protection for offensive combat.

Fire Control and Vision Devices: Periscope, M10C or periscope, M4A1 w/telescope, M38A2 (gunner's); periscope, M13 or M13B1 or M6 (vision); quadrant, elevation, M9; quadrant, gunner's, M1; telescope, M83F or M71K (sight); indicator, azimuth, M19.

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 31
Fording depth	(in.) 36
Maximum width of ditch vehicle can cross	(in.) 90
Maximum vertical obstacle vehicle can climb	(in.) 24
Fuel consumption (average conditions)	(mpg) 0.6
Cruising range (average conditions)	(mi) 100
Allowable speed, governed	(mph) 24
Maximum allowable towed load, gross	(lb) 10,000

ENGINE

Manufacturer:	Continental	Model R975-C1
Type	4-cycle, radial, air-cooled; No. of cylinders 9	
Displacement	(cu in.) 973	
Bore	(in.) 5	
Stroke	(in.) 5 1/4	
Compression ratio	5.7:1	
Governed speed	(rpm) 2,400	
Brake horsepower (max w/std accessories)	350 at (rpm) 2,400	
Torque (max w/std accessories)	840 lb-ft at (rpm) 1,800	
Type of ignition	magneto	

ADDITIONAL DATA

Data given for vehicle equipped with track, rubber, T48. Track, rubber, T51; tracks, steel, T49 and T54E1; and track, rubber-backed-steel, T74 are interchangeable.

Data given for vehicle equipped with vertical volute spring suspension. Auxiliary generator Homelite Model HRUH-28.

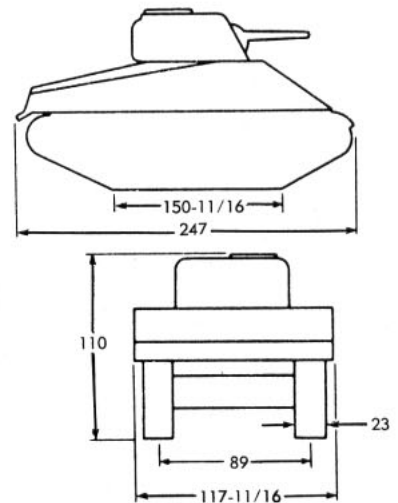
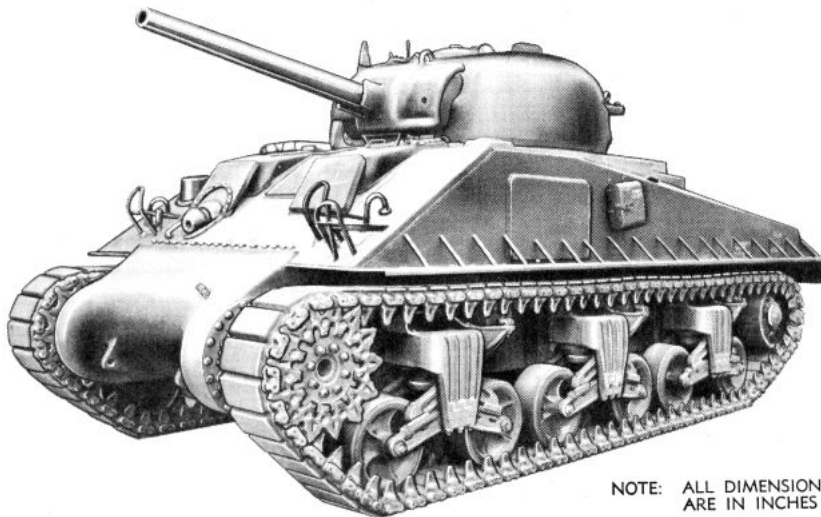
Manual and power turret-traversing mechanism.

One-piece or three-piece differential housing used on this vehicle.

Continental engine R975-C4 is interchangeable. Changes in data are as follows:

Brake horsepower (max w/std accessories)	400 at (rpm) 2,400
Torque (max w/std accessories)	940 lb-ft at (rpm) 1,700

TANK, MEDIUM, M4A3, 75-MM GUN



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172700

Technical Manuals: 9-759, 9-1731B, 9-1731G, 9-1731K, 9-1750B, 9-1750K, 9-1825A, 9-1825B, 9-1826B, 9-1828A, 9-1829A; Supply Catalog: SNL G-204.

Classification: Limited Standard.

Armament: 1 gun, 75-mm, M3, turret mounted; 2 guns, machine, cal. .30, Browning, M1919A4 (flexible), 1 mounted coaxially with main armament, 1 ball mounted at right front of hull; 1 gun, machine, cal. .50, Browning, M2, heavy barrel (flexible) mounted on revolving hatch on top of turret.

Fire Control and Vision Devices: Periscope, M10C or M4A1 w/telescope, M38A2 (Commander, gunner); periscope, M6 or M13 or M13B1 (vision); quadrant, elevation, M9; quadrant, gunner's M1; telescope, M10F (for tanks with combination gun mount M34A1) (sight); indicator, azimuth, M20.

GENERAL DATA

Crew	5
Weight, fighting	(lb) 69,565
Shipping dimensions, uncrated	(cu ft) 1,840; (sq ft) 201
Ground pressure	(psi) 10.1
Ground clearance	(in.) 17 1/8
Pintle height, loaded	(in.) 28
Electrical system	(volts) 24
No. of batteries	(12-volt) 2
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 168
Cooling system	(qt) 56
Crankcase, refill	(qt) 32
Transmission, differential, and final drives (qt):	
Three-piece, round-nose	152
One-piece, sharp-nose	164
Brakes	mechanical, controlled-differential
Parking brake, type:	
Early models	rear of transmission
Late models	pedal for locking steering brakes
Transmission for forward speeds	5
Gear ratio	High 0.73:1; Fourth 1:1; Low 7.56:1
Differential-drive gear ratio	3.53:1
Final-drive gear ratio	2.84:1
Hull construction	welded homogeneous armor plate
Turret construction	cast homogeneous armor

Purpose: To provide mobile fire power and crew protection for offensive combat.

Ammunition: 104 rounds, 75-mm; 6,250 rounds, cal. .30 machine gun; 630 rounds, cal. .50; 900 rounds, cal. .45 for submachine gun; 12 hand grenades; 12 ground signals.

Communications: (SCR-508 or SCR-608 or SCR-528 or AN/GRC-3, -4, -5, -6, -7, or -8) and (RC-298); or (SCR-508 or SCR-528) and (RC-298) and (AN/VRC-3); or (AN/VRC-3) and (RC-99) and (RC-298).

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 31
Fording depth	(in.) 36
Maximum width of ditch vehicle can cross	(in.) 90
Maximum vertical obstacle vehicle can climb	(in.) 24
Fuel consumption (average conditions)	(mpg) 0.6
Cruising range (average conditions)	(mi) 100
Allowable speed, governed	(mph) 26
Maximum allowable towed load, gross	(lb) 10,000

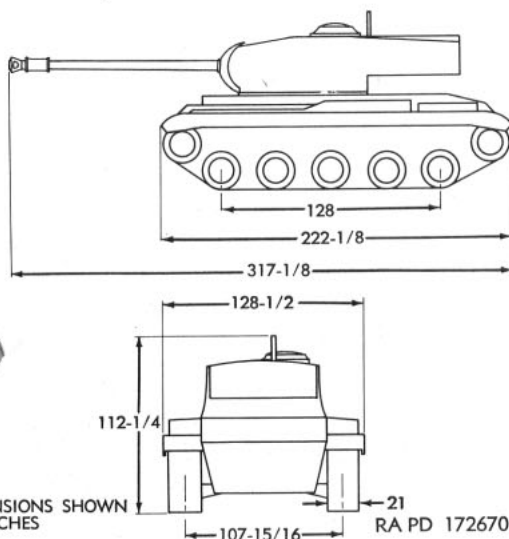
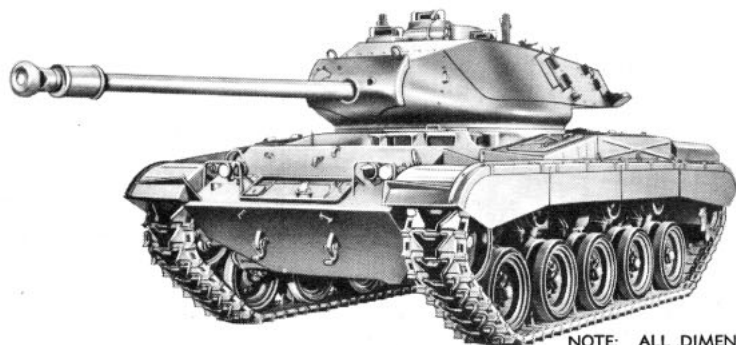
ENGINE

Manufacturer: Ford	Model GAA
Type	4-cycle, valve-in-head; No. of cylinders (60-deg V) 8
Displacement	(cu in.) 1,100
Bore	(in.) 5.4
Stroke	(in.) 6
Compression ratio	7.5:1
Governed speed	(rpm) 2,600
Brake horsepower (max w/std accessories)	450 at (rpm) 2,600
Torque (max w/std accessories)	950 lb-ft at (rpm) 2,100
Type of ignition	magneto

ADDITIONAL DATA

One-piece or three-piece differential housing used on this vehicle.
Auxiliary engine: Homelite Model HRUH-28.
Manual and power turret-traversing mechanism.
Horizontal volute spring suspension.
Data given for vehicle equipped with track, steel, T66. Track, rubber-backed-steel, T80 and track, rubber, T84 are interchangeable.

TANK, 76-MM GUN, T41E1



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

RA PD 172670

Technical Manuals: 9-730, 9-1730B, 9-1730F, 9-1825C, 9-1825E, 9-1826B, 9-1828A, 9-1829A; Supply Catalog: SNL G-251.

Armament: 1 gun, 76-mm, T91E3, turret mounted; 1 gun, machine, cal. .50, Browning, M2, heavy barrel, turret type, mounted coaxially with main armament; 1 gun, machine, cal. .50, Browning, M2, heavy barrel (flexible) pintle mounted on top of turret.

Ammunition: 60 rounds 76-mm; 4,630 rounds cal. .50; 18 rounds cal. .45 for submachine gun; 90 rounds cal. .30 carbine; 8 hand grenades; 12 ground signals.

Purpose: To provide mobile fire power and crew protection in offensive combat. Suitable for airborne use.

Fire Control and Vision Devices: Finder, range, T37; periscope, M15 (vision); periscope, T32 (commander, gunner); quadrant, elevation, M9; quadrant, gunner's, M1; drive, ballistic, T23; indicator, azimuth, T24.

Communications: (SCR-508 or SCR-528) and (AN/VIA-1); or (AN/GRC-3, -4, -5, -6, -7, or -8) and (AN/VIA-1).

GENERAL DATA

Crew	4
Weight, fighting	(lb) 50,789
Over-all length (gun in traveling position)	(in.) 273 3/4
Shipping dimensions, uncrated	(cu ft) 2,290; (sq ft) 245
Ground pressure	(psi) 9.5
Ground clearance	(in.) 17 1/4
Pintle height, loaded	(in.) 30
Electrical system	(volts) 24
No. of batteries	(6-volt) 4
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 140
Crankcase, refill	(qt) 56
Auxiliary engine crankcase	(qt) 3 1/2
Transmission, cross-drive (including cooler)	(qt) 64
Final drive	(each) (qt) 3
Brakes:	
Hand-lever controlled, hydraulic, multiple-disk steering brakes.	
Pedal operates them as service brakes.	
Parking brake, type: Park position on transmission selector lever.	
Ratio from engine output to torque converter input	0.715:1
Torque converter stall ratio	3.8:1
Ratio from torque converter output shaft to final-drive flange:	
High range	1.4:1; Low range 5.34:1
No. of ranges (high, low, and reverse)	3
Final-drive gear ratio	4.25:1
Hull construction	welded homogeneous armor plate
Turret construction	welded steel plate

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius (ft)	pivots in place
Fording depth	(in.) 48
Maximum width of ditch vehicle can cross	(in.) 72
Maximum vertical obstacle vehicle can climb	(in.) 28
Fuel consumption (average conditions)	(mpg) 1.2
Cruising range (average conditions)	(mi) 120
Maximum allowable speed, governed	(mph) 40
Maximum allowable towed load, gross	(lb) 10,000

ENGINE

Manufacturer; Continental	Model AOS 895-3
Type	4-cycle, valve-in-head, air-cooled
No. of cylinders	(opposed) 6
Displacement	(cu in.) 895
Bore	(in.) 5 3/4
Stroke	(in.) 5 3/4
Compression ratio	5.5:1
Governed speed	(rpm) 2,800
Brake horsepower, gross	500 at (rpm) 2,800
Torque, gross	960 lb-ft at (rpm) 2,400
Type of ignition	magneto

ADDITIONAL DATA

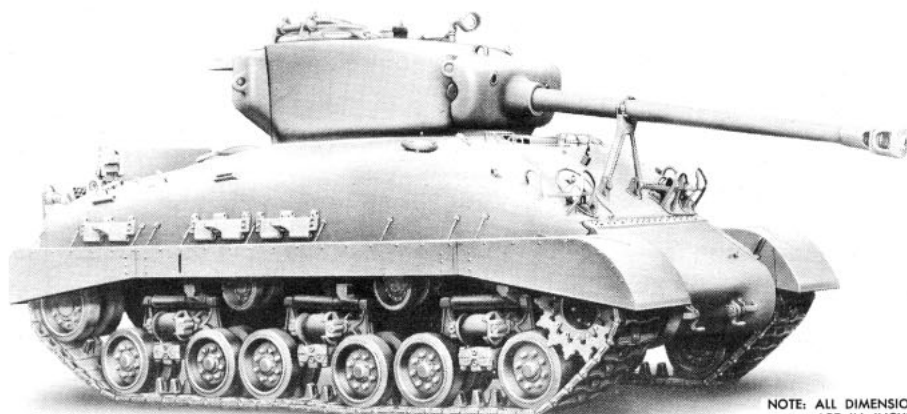
Auxiliary Generator Set: Engine GMC Model A41-1; Generator, Delco model GM-A-8585.

Manual and power turret-traversing mechanism.

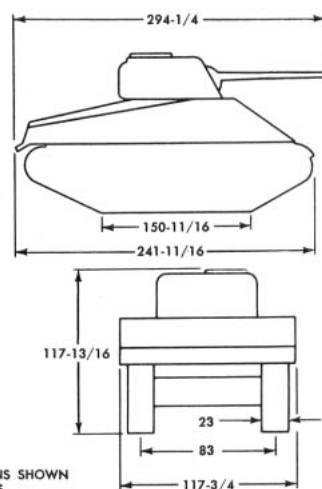
Gun equipped with bore evacuator and muzzle brake.

Data given for vehicle equipped with track, rubber-backed-steel, T87. Track, rubber, T88E1 is interchangeable.

TANK, MEDIUM, M4A1, 76-MM GUN



RA PD 137714



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-731AA, 9-1725, 9-1731G, 9-1731K, 9-1750A, 9-1750B, 9-1750C, 9-1750D, 9-1750K, 9-1825A, 9-1825B, 9-1826B, 9-1828A, 9-1829A; **Supply Catalog:** SNL G-207.

Classification: Limited Standard.

Armament: 1 gun, 76-mm, M1A1C or M1A2, turret mounted; 2 guns, machine, cal. .30, Browning, M1919A4 (flexible), 1 mounted coaxially with main armament, 1 ball mounted at right front of hull; 1 gun, machine, cal. .50, Browning, M2, heavy barrel (flexible) mounted on revolving hatch door on top of turret.

Ammunition: 86 rounds, 76-mm; 630 rounds, cal. .50; 180 rounds, cal. .45 for submachine gun; 6,875 rounds, cal. .30; 90 rounds, cal. .30, carbine; 12 hand grenades; 12 ground signals.

GENERAL DATA

Crew	5
Weight, fighting	(lb) 73,595
Overall length w/gun in traveling position	(in.) 2937 1/16
Shipping dimensions, uncrated	(cu ft) 2,360; (sq ft) 240
Ground pressure	(psi) 10.6
Ground clearance	(in.) 18 3/4
Pintle height, loaded	(in.) 22
Electrical system	(volts) 24
No. of batteries	(12-volt) 2
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 172
Auxiliary-engine fuel tank	(gal) 6
Engine oil tank	(qt) 36
Transmission, differential, and final drives (qt):	
Three-piece, round-nose	152
One-piece, sharp-nose	164
Brakes	mechanical, controlled-differential
Parking brake, type	pedal for locking steering brakes
Transmission:	
Forward speeds	5
Gear ratio	High 0.73:1; Fourth 1:1; Low 7.56:1
Differential-drive gear ratio	3.53:1
Final-drive gear ratio	2.84:1
Hull construction	welded homogeneous armor casting and plates
Armor, turret	cast homogeneous armor

Purpose: To provide mobile fire power and crew protection for offensive combat.

Fire Control and Vision Devices: Periscope, M10G (gunner's); periscope, M8A1, w/telescope, M39A2 or periscope, M4A1, w/telescope, M47A2 (commander's); periscope, M13 or M13B1 or M6 (vision); quadrant, elevation, M9; quadrant, gunner's, M1; telescope, M83D, or M71D (sight); indicator, azimuth, M19.

Communications: (SCR-508 or SCR-608 or SCR-528 or AN/GRC-3, -4, -5, -6, -7, or -8) and (RC-298); or (SCR-508 or SCR-528) and (RC-298) and (AN/VRC-3); or (AN/VRC-3) and (RC-99) and (RC-298).

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 31
Fording depth	(in.) 42
Maximum width of ditch vehicle can cross	(in.) 90
Maximum vertical obstacle vehicle can climb	(in.) 24
Fuel consumption (average conditions)	(mpg) 0.6
Cruising range (average conditions)	(mi) 100
Allowable speed, governed	(mph) 24
Maximum allowable towed load, gross	(lb) 10,000

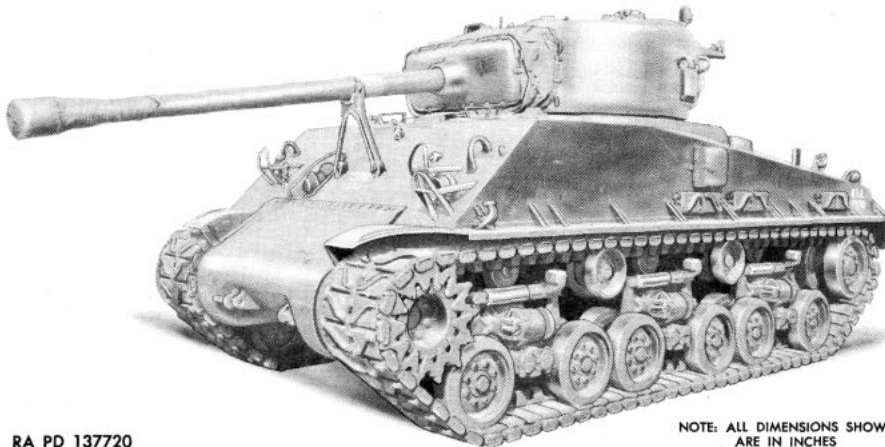
ENGINE

Manufacturer:	Continental	Model R975-C4
Type	4-cycle, radial, air-cooled; No. of cylinders 9	
Displacement	(cu in.)	973
Bore	(in.)	5
Stroke	(in.)	5 1/2
Compression ratio		5.7:1
Governed speed	(rpm)	2,400
Brake horsepower (max w/std accessories)	400 at (rpm)	2,400
Torque (max w/std accessories)	940 lb-ft at (rpm)	1,700
Type of ignition	magneto	

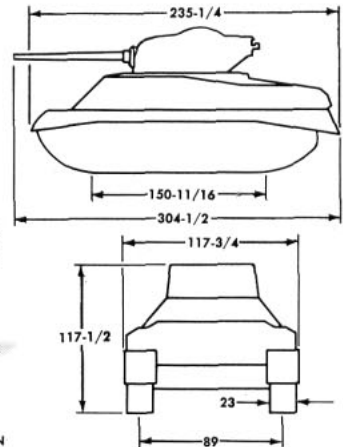
ADDITIONAL DATA

One-piece or three-piece differential housing used on this vehicle. Manual and power turret-traversing mechanism. Equipped with elevation stabilizer. Auxiliary generator Homelite Model HRUH-28. Data given for vehicle equipped with track, steel, T66. Track, rubber-backed-steel, T80, and track, rubber, T84 are interchangeable.

TANK, MEDIUM, M4A3, 76-MM GUN



RA PD 137720

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-759, 9-1731B, 9-1731G, 9-1731K, 9-1750A, 9-1750B, 9-1750K, 9-1825A, 9-1825B, 9-1826B, 9-1828A, 9-1829A; **Supply Catalog:** SNL G-205.

Classification: Substitute Standard.

Armament: 1 gun, 76-mm, M1A2 or M1A1C, turret mounted; 2 guns, machine, cal. .30, Browning, M1919A4 (flexible), 1 mounted coaxially with main armament, 1 ball mounted at right front of hull; 1 gun, machine, cal. .50, Browning, M2, heavy barrel (flexible) mounted on revolving hatch on top of turret.

Ammunition: 86 rounds, 76-mm; 6,875 rounds, cal. .30; 630 rounds, cal. .50; 180 rounds, cal. .45 for sub-machine-gun; 90 rounds, cal. .30, carbine; 12 ground signals; 12 hand grenades.

GENERAL DATA

Crew	5
Weight, fighting	(lb) 74,125
Over-all length (gun in traveling position)	(in.) 296
Shipping dimensions, uncrated	(cu ft) 2,370; (sq ft) 242
Ground pressure	(psi) 10.7
Ground clearance	(in.) 18 3/4
Pintle height, loaded	(in.) 28
Electrical system	(volts) 24
No. of batteries	(12-volt) 2
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 168
Cooling system	(qt) 56
Crankcase, refill	(qt) 32
Transmission, differential, and final drives (qt):	
Three-piece, round-nose	152
One-piece, sharp-nose	164
Brakes	mechanical, controlled-differential
Parking brake, type:	
Early models	rear of transmission
Late models	pedal for locking steering brakes
Transmission forward speeds	5
Gear ratio	High 0.73:1; Fourth 1:1; Low 7.56:1
Differential-drive gear ratio	3.53:1
Final-drive gear ratio	2.84:1
Hull construction	welded homogeneous armor plate
Turret construction	cast homogeneous armor

Purpose: To provide mobile fire power and crew protection for offensive combat.

Fire Control and Vision Devices: Periscope, M10G, and periscope, M8A1 w/telescope, M39A2, or periscope, M4A1 w/telescope, M47A2 (gunner's); periscope, M13 or M13B1 or M6 (vision); quadrant, elevation, M9; quadrant gunner's, M1; telescope, M83D, or M71D (sight).

Communications: (SCR-508 or SCR-608 or SCR-528 or AN/GRC-3, -4, -5, -6, -7, or -8) and (RC-298); or (SCR-508 or SCR-528) and (RC-298) and (AN/VRC-3); or (AN/VRC-3) and (RC-99) and (RC-298).

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 31
Fording depth	(in.) 36
Maximum width of ditch vehicle can cross	(in.) 90
Maximum vertical obstacle vehicle can climb	(in.) 24
Fuel consumption (average conditions)	(mpg) 0.6
Cruising range (average conditions)	(mi) 100
Allowable speed, governed	(mph) 26
Maximum allowable towed load, gross	(lb) 10,000

ENGINE

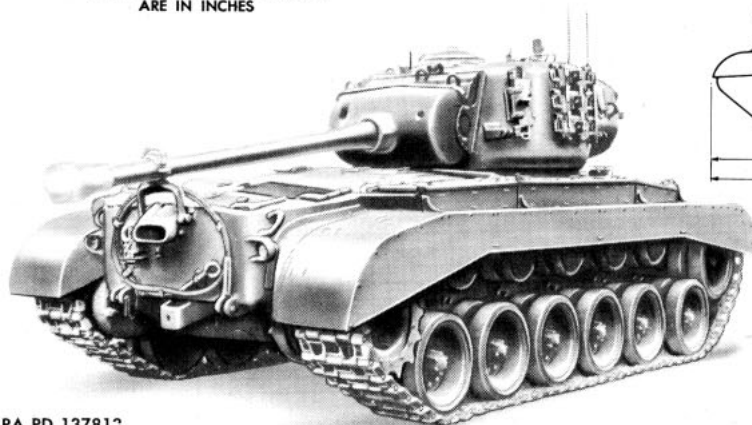
Manufacturer:	Ford	Model GAA
Type	4-cycle, valve-in-head; No. of cylinders (60-deg V)	8
Displacement	(cu in.)	1:100
Bore	(in.)	5.4
Stroke	(in.)	6
Compression ratio		7.5:1
Governed speed	(rpm)	2,800
Brake horsepower (max w/std accessories)	450 at (rpm)	2,600
Torque (max w/std accessories)	950 lb-ft at (rpm)	2,100
Type of ignition		magneto

ADDITIONAL DATA

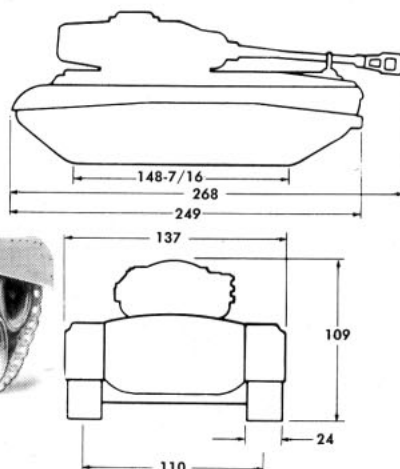
Auxiliary engine: Homelite model HRUH-28.
Data given for vehicle equipped with track, steel, T66. Track, rubber-backed-steel, and track, rubber, T84 are interchangeable.
One-piece or three-piece differential housing used on this vehicle.
Manual and power turret-traversing mechanism.

TANK, MEDIUM, M26 AND M26A1

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137813



Technical Manuals: 9-735, 9-1731B, 9-1731G, 9-1735A, 9-1735B, 9-1735C, 9-1826B, 9-1826C, 9-1828A, 9-1829A; Supply Catalog: SNL G-226.

Vehicle illustrated: M26.

Classification: Limited Standard.

Armament: 1 gun, 90-mm, M3, turret mounted; 2 gun, machine, cal. .30, Browning, M1919A4 (flexible); 1 ball mounted at right front of hull, 1 mounted coaxially with main armament; 1 gun, machine, cal. .50, Browning, M2, heavy barrel (flexible) pintle mounted on top of turret.

Ammunition: 70 rounds 90-mm; 5,000 rounds cal. .30; 550 rounds cal. .50; 12 hand grenades.

Communications: (SCR-508 or SCR-608 or SCR-528) and (RC-298); or (SCR 508 or SCR-528) and (RC-298) and (AN/VRC-3); (AN/VRC-3) and (RC-99) and (RC-298).

GENERAL DATA

Crew	5
Weight, fighting	(lb) 92,000
Shipping dimensions, uncrated	(cu ft) 2,340; (sq ft) 257
Ground pressure	(psi) 12.7
Ground clearance	(in.) 17 3/4
Pintle height, loaded	(in.) 28
Electrical system	(volts) 24
No. of batteries	(12-volt) 2
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 191
Cooling system	(qt) 88
Crankcase, refill	(qt) 32
Auxiliary-engine crankcase	(qt) 3
Transmission (including cooler)	(qt) 54 1/2
Differential	(qt) 72
Final drive	(each) (qt) 7
Brakes	mechanical, controlled-differential
Parking brake, type	hand-lever locks on steering brakes
Transmission (torqmatic):	
Forward speeds	3
Gear ratio	High 0.336:1; Low 1.377:1
Differential-drive gear ratio	3.41:1
Final-drive gear ratio	3.95:1
Hull construction	welded castings and plate; turret cast homogeneous

Purpose: To provide mobile fire power and crew protection for offensive combat.

Fire Control and Vision Devices: Periscope, M13 or M13B1 or M6 (vision); periscope, M15 or M13 or M13B1 or M6 (vision); periscope, M16 or M10F or periscope, M4A1 w/telescope M77F or M77H (gunner); quadrant, elevation, M9; quadrant gunner's, M1; telescope, M83C, or M71N, or M71C (sight); indicator, azimuth, M20.

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 31
Fording depth	(in.) 48
Maximum width of ditch vehicle can cross	(in.) 95
Maximum vertical obstacle vehicle can climb	(in.) 46
Fuel consumption (average conditions)	(mpg) 0.5
Cruising range (average conditions)	(mi) 92
Allowable speed, governed	(mph) 30
Maximum allowable towed load, gross	(lb) 1,000

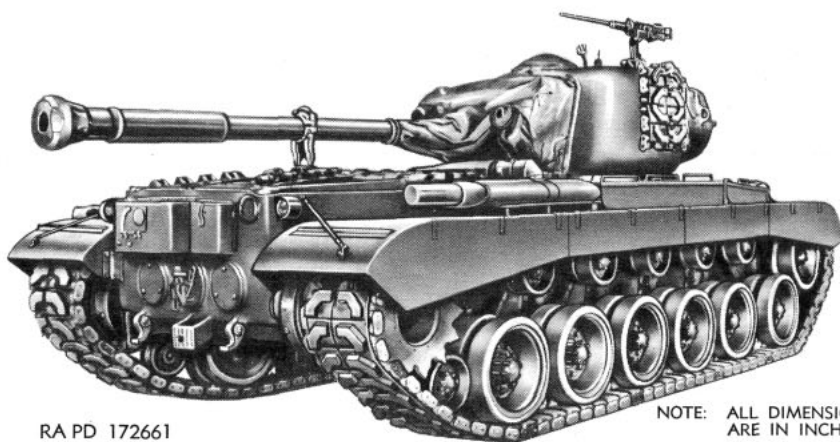
ENGINE

Manufacturer:	Ford	Model GAF
Type	4-cycle, valve-in-head; No. of cylinders (60-deg V)	8
Displacement	(cu in.)	1,000
Bore	(in.)	5.4
Stroke	(in.)	6
Compression ratio		7.5:1
Governed speed	(rpm)	2,600
Brake horsepower (max w/std accessories)	500 at (rpm)	2,600
Torque (max w/std accessories)	950 lb-ft at (rpm)	2,100
Type of ignition		magneto

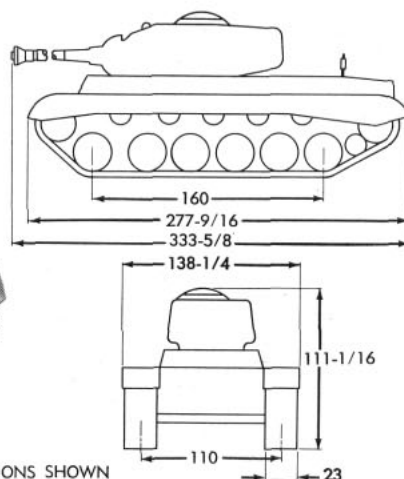
ADDITIONAL DATA

Variable torque multiplying through torque converter.
Stall ratio 4.04:1.
Manual and hydraulic turret-traversing mechanism. Elevation stabilizer.
Auxiliary engine: Waukesha, Model G-TGU.
Length of ground contact (wheelbase) on right side (in.) 152 1/4.
Data given for vehicle equipped with Steel Track, T81.
Rubber-backed-steel track, T80E1 and rubber track, T84E1 are also applicable with changed sprockets and final drive assemblies.
M26A1 equipped with Gun, 90-mm M3A1 and Mount, combination gun, M67A1.

TANK, MEDIUM, M46 AND M46A1



RA PD 172661



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Technical Manuals: 9-718, 9-1718A, 9-1718B, 9-1718C, 9-1718D, 9-1718E, 9-1718F, 9-1825A, 9-1825C, 9-1825D, 9-1825E, 9-1826B, 9-1828A, 9-1829A; Supply Catalog: SNL G-244.

Vehicle illustrated: M46.

Classification: Substitute Standard.

Purpose: To provide mobile fire power and crew protection for offensive combat.

Armament: 1 gun, 90-mm, M3A1, turret mounted: 1 gun, machine cal. .50, Browning, M2, heavy barrel (flexible) pedestal mounted on top of turret; 2 guns, machine, cal. .30, Browning, M1919A4 (flexible), 1 ball mounted at right front of hull, 1 mounted coaxially with main armament.

Ammunition: 70 rounds, 90-mm; 525 rounds, cal. .50; 5,500 cal. .30 machine gun, 90 rounds, cal. .30 carbine; 12 hand grenades; 12 ground signals.

GENERAL DATA

Crew	5
Weight, fighting	(lb) 97,000
Over-all length, gun in traveling position	(in.) 304 3/16
Shipping dimensions, uncrated	(cu ft) 2,700; (sq ft) 291
Ground pressure	(psi) 13.2
Ground clearance	(in.) 19 1/4
Pintle height, unloaded	(in.) 28 1/2
Electrical system	(volts) 24
No. of batteries	(12-volt) 4
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 233
Crankcase, refill	(qt) 72
Auxiliary engine crankcase	(qt) 3 1/2
Transmission, cross-drive (including cooler)	(qt) 92
Final drive	(each) (qt) 8
Brakes:	
Hand-lever-controlled, hydraulic, multiple-disk steering brakes.	
Pedal operates them as service brakes.	
Parking brake, type	lever for locking service brakes
No. of ranges (high, low, and reverse)	3
Ratio from engine output to torque converter input	1.162:1
Torque-converter stall ratio	4:1
Ratio from torque converter output shaft to final drive flange:	
High range	1.4:1
Low range	4.93:1
Final-drive gear ratio	3.95:1
Hull construction	welded homogeneous armor plate

Fire Control and Vision Devices: Periscope, M16C (commander's); periscope, M13 or M13B1 or M6 (vision); periscope, M16C or M10F (gunner's); quadrant, M9; quadrant, gunner's M1; telescope, M71E5C or T152 (sight); indicator, azimuth, M20.

Communications: (SCR-508 or SCR-528 or SCR-608B) and (AN/VIA-1); or (SCR-508 or SCR-528 or SCR-608B) and (AN/VRC-3) and (AN/VIA-1); or (AN/VRC-3) and (RC-99) and (AN/VIA-1 or AN/GRC-3, -4, -5, -6, -7, or -8) and (AN/VIA-1); or (AN/VRC-7) and (AN/VIA-1).

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	pivots in place
Fording depth	(in.) 48
Maximum width of ditch vehicle can cross	(in.) 102
Maximum vertical obstacle vehicle can climb	(in.) 36
Fuel consumption (average conditions)	(mpg) 1/4
Cruising range (average conditions)	(mi) 70
Allowable speed, recommended	(mph) 30
Maximum allowable towed load, gross	(lb) 10,000

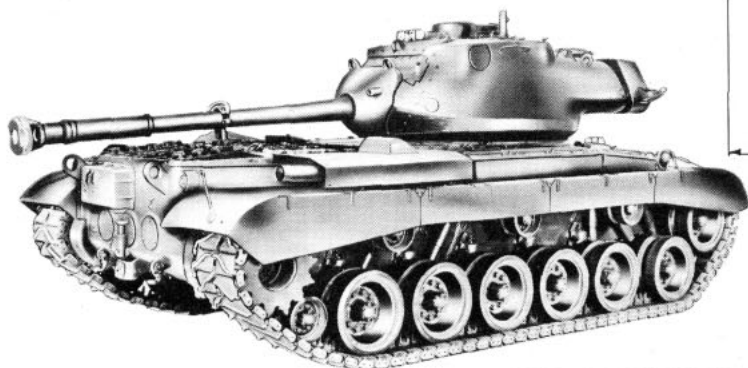
ENGINE

Manufacturer: Continental	Model AV-1790-5A (M46)
	AV-1790-5B (M46A1)
Type: 4-cycle, valve-in-head	air cooled
No. of cylinders	(90-deg V) 12
Displacement	(cu in.) 1,790
Bore	(in.) 5 3/4
Stroke	(in.) 5 3/4
Compression ratio	6.5:1
Governed speed	(rpm) 2,950
Brake horsepower (max w/std accessories)	810 at (rpm) 2,800
Torque (max w/std accessories)	1,560 lb-ft at (rpm) 2,400
Type of ignition	magneto

ADDITIONAL DATA

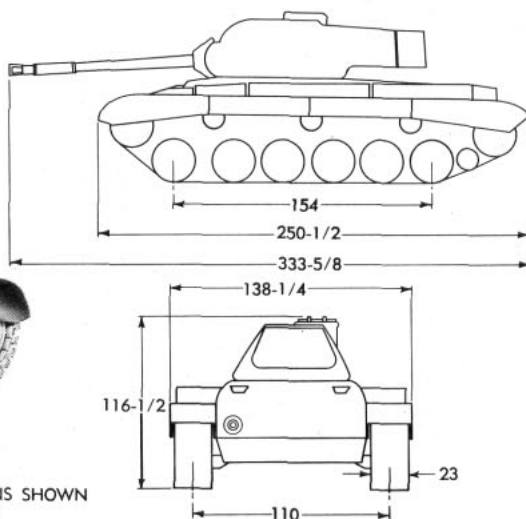
Manual and power turret-traversing mechanism.
Gun equipped with bore evacuator and muzzle brake.
Auxiliary engine: Wisconsin Model TFT.
Data given for vehicle equipped with track, rubber-backed-steel, T80E1.
Track, rubber-backed-steel, T-80E4 and track, rubber, T84-E1 are interchangeable.

TANK, 90-MM GUN, M47



RA PD 172705

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



Technical Manuals: 9-1718A, 9-1718F, 9-1730F, 9-1825C, 9-1825E, 9-1826B, 9-1828A, 9-1829A; Supply Catalog: SNL G-262.

Classification: Standard.

Armament: 1 gun, 90-mm, T119, turret mounted; 1 gun, machine, cal. .50, Browning, M2, heavy barrel, turret type, mounted coaxially with main armament; 1 gun, machine, cal. .50, Browning, heavy barrel (flexible) mounted on revolving hatch on top of turret; 1 gun, machine, cal. .30, Browning, M1919A4 (flexible) ball mounted at right front of hull.

Ammunition: 71 rounds, 90-mm; 3,440 rounds, cal. .50; 180 rounds, cal. .45, sub-machine gun; 4,125 rounds, cal. .30 machine gun; 90 rounds, cal. .30 carbine; 8 smoke grenades; 12 ground signals.

GENERAL DATA

Crew	5
Weight, fighting	(lb) 97,200
Over-all length, gun in traveling position	(in.) 279 1/2
Shipping dimensions, uncrated	(cu ft) 2,610; (sq ft) 269
Ground pressure	(psi) 13.7
Ground clearance	(in.) 19 1/4
Pintle height, loaded	(in.) 28.6
Electrical system	(volts) 24
No. of batteries	4
Type of ground	negative
Fuel octane rating	80
Capacities:-	
Fuel	(gal) 233
Crankcase, refill	(qt) 64
Auxiliary engine crankcase	(qt) 3 1/2
Transmission, cross-drive (including cooler)	(qt) 92
Final drive	(each) (qt) 8
Brakes:	
Hand-lever controlled, hydraulic, multiple-disk steering brakes.	
Pedal operates them as service brakes.	
Parking brake, type	Lever for locking service brakes.
No. of ranges (high, low, and reverse)	3
Ratio from engine output to torque converter input	1.162:1
Torque-converter stall ratio	4:1
Ratio from torque converter output shaft to final drive flange:	
High range	1.4:1; Low range 4.93:1
Final-drive gear ratio	4.47:1
Hull construction	Welded homogeneous armor plate and castings
Turret-ring inside diameter	(in.) 73

Purpose: To provide mobile fire power and crew protection for offensive combat.

Fire Control and Vision Devices: Drive, ballistic, T23E1; finder, range, T41; indicator, azimuth, T24; periscope, M6 M13, or M13B1 (vision); periscope, T35 (commander, gunner); quadrant, gunner's M1; quadrant, elevation, T21.

Communications: (AN/GRC-3, -4, -5, -6, -7, or -8) and (AN/VIA-1).

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius (ft)	Pivots in place
Fording depth	(in.) 48
Maximum width of ditch vehicle can cross	(in.) 102
Maximum vertical obstacle vehicle can climb	(in.) 36
Fuel consumption (average conditions)	(mpg) 0.4
Cruising range (average conditions)	(mi) 100
Allowable speed, recommended	(mph) 37
Maximum allowable towed load, gross	(lb) 10,000

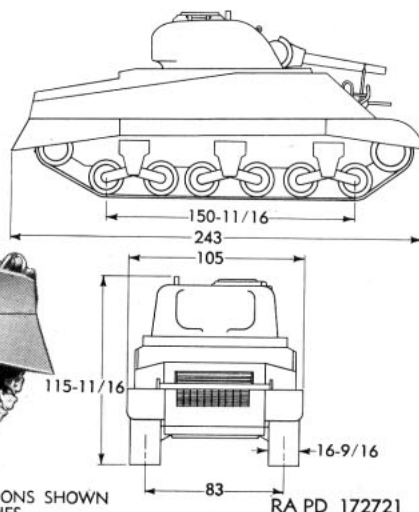
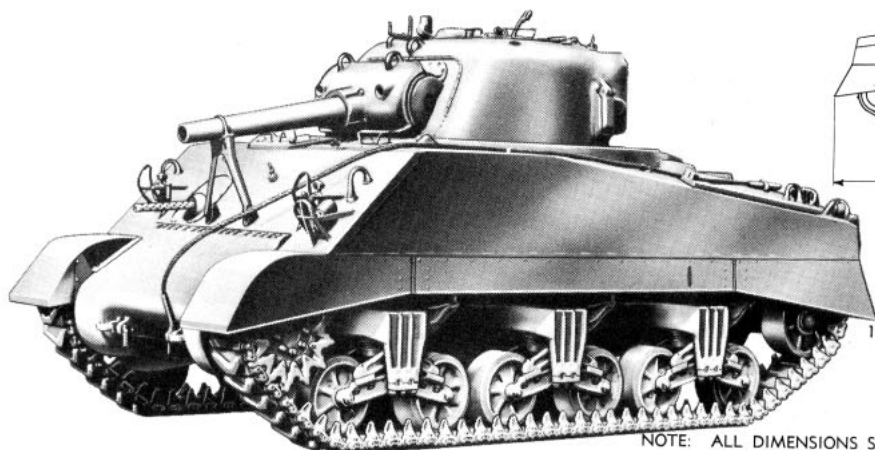
ENGINE

Manufacturer:	Continental	Model AV-1790-5B
Type	4-cycle, valve-in-head; air-cooled	
No. of cylinders		(90-deg V) 12
Displacement		(cu in.) 1,790
Bore		(in.) 5 3/4
Stroke		(in.) 5 3/4
Compression ratio		6.5:1
Governed speed		(rpm) 2,950
Brake horsepower (max w/std accessories)		.810 at (rpm) 2,800
Torque (max w/std accessories)		1,560 lb-ft at (rpm) 2,400
Type of ignition		magneto

ADDITIONAL DATA

Manual and power traversing and elevating mechanism.
Gun equipped with bore evacuator and muzzle brake.
Auxiliary generator: Wisconsin Model TFT.
Data given for vehicle equipped w/track, steel, T80E6. Track, rubber T84E1 is interchangeable.

TANK, MEDIUM, M4, 105-MM HOWITZER



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

RA PD 172721

Technical Manuals: 9-731AA, 9-1725, 9-1731G, 9-1731K, 9-1750A, 9-1750B, 9-1750C, 9-1750D, 9-1750K, 9-1825A, 9-1825B, 9-1826B, 9-1828A, 9-1829A; Supply Catalog: SNL G-104.

Classification: Limited Standard.

Armament: 1 howitzer, 105-mm, M4, turret mounted; 2 guns, machine, cal. .30, Browning, M1919A4 (flexible), 1 mounted coaxially with main armament, 1 ball mounted at right front of hull; 1 gun machine, cal. .50, Browning, M2, heavy barrel (flexible) mounted on revolving hatch on top of turret.

Ammunition: 66 rounds 105-mm; 630 rounds cal. .50; 180 rounds cal. .45 for sub-machine-gun; 4,400 rounds cal. .30; 90 rounds cal. .30, carbine; 12 hand grenades; 12 ground signals.

GENERAL DATA

Crew	5
Weight, fighting	(lb) 69,385
Shipping dimensions, uncrated	(cu ft) 1,715; (sq ft) 178
Ground pressure	(psi) 13.9
Ground clearance	(in.) 18 3/4
Pintle height, loaded	(in.) 24 1/2
Electrical system	(volts) 24
No. of batteries	(12-volt) 2
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 172
Auxiliary-engine fuel tank	(gal) 6
Engine oil tank	(qt) 36
Transmission, differential, and final drives (qt):	
Three-piece, round-nose	152
One-piece, sharp-nose	164
Brakes	mechanical, controlled-differential
Parking brake, type	pedal for locking steering brakes
Transmission:	
Forward speeds	5
Gear ratio	High 0.73:1; Fourth 1:1; Low 7.56:1
Differential-drive gear ratio	3.53:1
Final-drive gear ratio	2.84:1
Hull construction	welded homogeneous armor plate
Armor, turret	cast homogeneous armor

Purpose: To provide mobile fire power and crew protection for offensive combat.

Fire Control and Vision Devices: Periscope, M4A1 w/telescope M77C (commander's); periscope, M10D (gunner's); periscope, M6, M13, or M13B1 (vision); quadrant, elevation, M9; quadrant, gunner's, M1; telescope, M768 (sight); indicator, azimuth, M19.

Communications: (SCR-528 or AN/GRC-3, -4, -5, -6, -7, or -8 and RC 298); or (SCR-508 or SCR-528) and (RC-298) and (AN/VRC-3); or (AN/VRC-3) and (RC-99) and (RC-298).

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 31
Fording depth	(in.) 36
Maximum width of ditch vehicle can cross	(in.) 90
Maximum vertical obstacle vehicle can climb	(in.) 24
Fuel consumption (average conditions)	(mpg) 0.6
Cruising range (average conditions)	(mi) 100
Allowable speed, governed	(mph) 24
Maximum allowable towed load, gross	(lb) 10,000

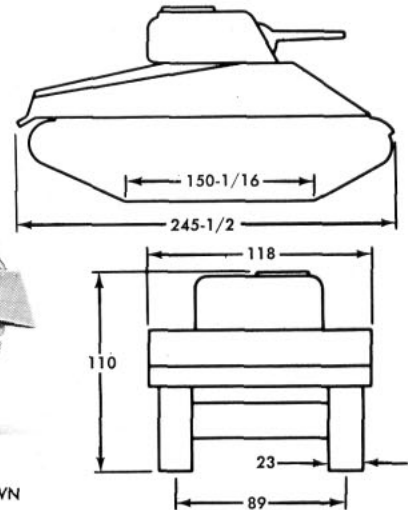
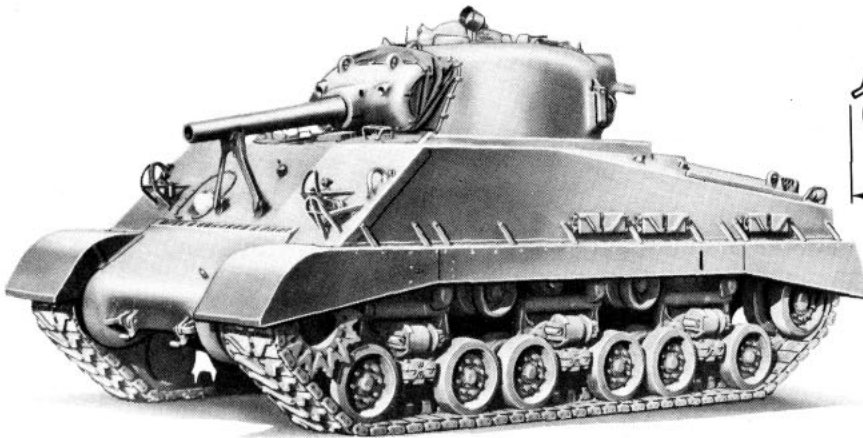
ENGINE

Manufacturer:	Continental	Model R975-C4
Type	4-cycle, radial, air-cooled;	No. of cylinders 9
Displacement	(cu in.)	973
Bore	(in.)	5
Stroke	(in.)	5.5
Compression ratio		5.7:1
Governed speed	(rpm)	2,400
Brake horsepower (max w/std accessories)	400 at (rpm)	2,400
Torque (max w/std accessories)	940 lb-ft at (rpm)	1,700
Type of ignition		magneto

ADDITIONAL DATA

Auxiliary generator, Homelite Model HRUH-28.
Data given for vehicle equipped with track, rubber, T48.
Track, rubber, T51; tracks, steel, T49 and T54E1; and track, rubber-backed-steel, T74, are interchangeable.
Manual turret-traversing mechanism.

TANK, MEDIUM, M4A3, 105-MM HOWITZER



RA PD 137719

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-759, 9-1731B, 9-1731G, 9-1731K, 9-1750A, 9-1750B, 9-1750K, 9-1825A, 9-1825B, 9-1826B, 9-1828A, 9-1829A; Supply Catalog: SNL G-104.

Classification: Limited Standard.

Armament: 1 howitzer, 105-mm, M4, turret mounted; 1 gun machine cal. .30, Browning, M1919A4 (flexible) coaxially mounted w/main armament; 1 gun, machine cal. .50, Browning, M2, heavy barrel (flexible) pedestal mounted on top of turret.

Communications: (SCR-528 or AN/GRC-3, -4, -5, -6, -7, or -8) and (RC-298); or (SCR-508 or SCR-528) and (RC-298) and (AN/VRC-3); or (AN/VRC-3) and (RC-99) and (RC-298).

GENERAL DATA

Crew	5
Weight, fighting	(lb) 72,865
Shipping dimensions, uncrated	(cu ft) 1,850; (sq ft) 202
Ground pressure	(psi) 10.5
Ground clearance	(in.) 17 3/4
Pintle height, loaded	(in.) 28
Electrical system	(volts) 24
No. of batteries	(12-volts) 2
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 168
Cooling system	(qt) 56
Crankcase, refill	(qt) 32
Transmission, differential, and final drives (qt):	
Three-piece, round-nose	152
One-piece, sharp-nose	164
Brakes:	
	mechanical, controlled-differential 1
Parking brake, type:	
Early models	rear of transmission
Late models	pedal for locking steering brakes
Transmission forward speeds	5
Gear ratio	High 0.73:1; Fourth 1:1; Low 7.56:1
Differential-drive gear ratio	3.53:1
Final-drive gear ratio	2.84:1
Hull construction	welded homogeneous armor plate
Turret	cast homogeneous armor

Purpose: To provide mobile fire power and crew protection for offensive combat.

Ammunition: 66 rounds, 105-mm; 4,000 rounds, cal. .30; 630 rounds cal. .50; 900 rounds, cal. .45 for sub-machine gun; 12 hand grenades; 12 ground signals.

Fire Control and Vision Devices: Periscope, M4A1 w/telescope M77C (gunner); periscope, M10D (commander); periscope, M13 or M13B1 or M6 (vision); quadrant elevation, M9; quadrant gunner's, M1; telescope, M76G (sight).

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 31
Fording depth	(in.) 36
Maximum width of ditch vehicle can cross	(in.) 90
Maximum vertical obstacle vehicle can climb	(in.) 24
Fuel consumption (average conditions)	(mpg) 0.6
Cruising range (average conditions)	(mi) 100
Allowable speed, governed	(mph) 26
Maximum allowable towed load, gross	(lb) 1,000

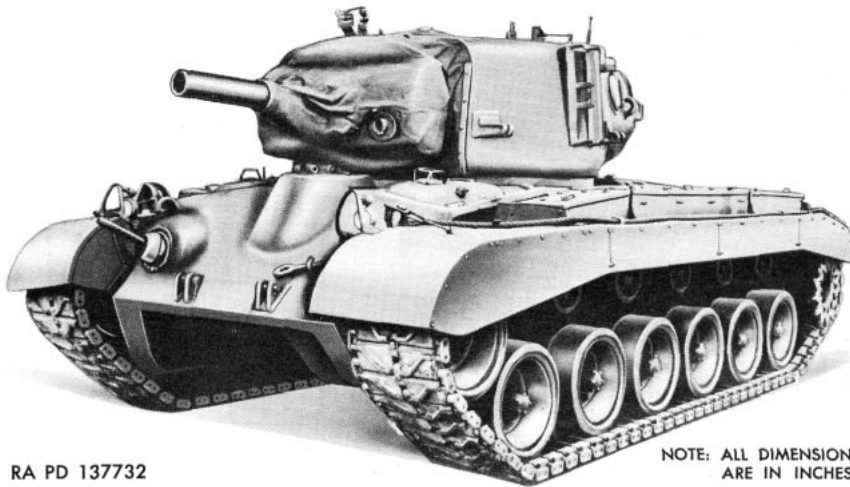
ENGINE

Manufacturer:	Ford	Model	GAA
Type	4-cycle, valve-in-head; No. of cylinders (60-deg V) 8		
Displacement	(cu. in) 1,100		
Bore	(in.) 5.4		
Stroke	(in.) 6		
Compression ratio	7.5:1		
Governed speed	(rpm) 2,600		
Brake horsepower (max w/std accessories)	450 at (rpm) 2,600		
Torque (max w/std accessories)	950 lb-ft at (rpm) 2,100		
Type of ignition	magneto		

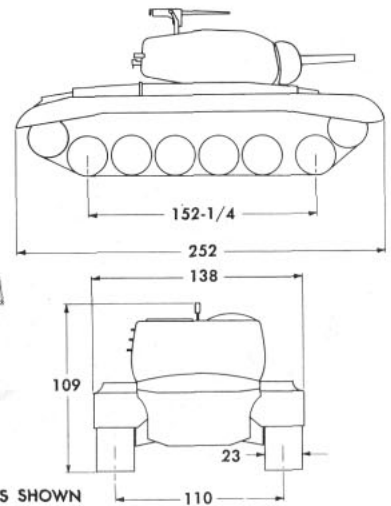
ADDITIONAL DATA

One-piece or three-piece differential housing used on this vehicle.
Auxiliary engine: Homelite model HRUH-28.
Manual turret-traversing mechanism.
Data computed for vehicle equipped w/track, steel, T-66.
Track, rubber-backed-steel, T80, and track, rubber, T84 are interchangeable.

TANK, MEDIUM, M45



RA PD 137732



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Technical Manuals: 9-735, 9-1731B, 9-1731D, 9-1731G, 9-1735A, 9-1735B, 9-1735C, 9-1825B, 9-1826B, 9-1826C, 9-1828A, 9-1829A; Supply Catalog: SNL G-226.

Classification: Standard.

Armament: 1 Howitzer, 105-mm, M4, turret mounted; 2 guns, machine, cal. .30, Browning, M1919A4 (flexible), 1 mounted coaxially with main armament, 1 ball mounted at right front of hull; 1 gun, machine, cal. .50, Browning, M2, heavy barrel (flexible), pedestal mounted on top of turret.

Ammunition: 74 rounds, 105-mm; 5,000 rounds, cal. .30; 550 rounds, cal. .50; 900 rounds, cal. .45, for sub-machine-gun; 12 hand grenades.

Purpose: To provide mobile fire power and crew protection for offensive combat.

Fire Control and Vision Devices: Periscope, M6, M13, or M13B1 (vision); periscope, M15 (gunner's); periscope, M18C or M10D (commander's); quadrant, elevation, M9; quadrant, gunner's, M1; telescope, M76G (sight); telescope, elbow, M62 (sight); indicator, azimuth, M20.

Communications: (SCR-528 or SCR-608 or AN/GRC-3, -4, -5, -6, -7, or -8) and (RC-298); or (SCR-508 or SCR-528) and (RC-298) and (AN/VRC-3); or (AN/VRC-3) and (RC-99) and (RC-298).

GENERAL DATA

Crew	5
Weight, fighting	(lb) 92,500
Shipping dimensions, uncrated	(cu ft) 2,190; (sq ft) 242
Ground pressure	(psi) 13.4
Ground clearance	(in.) 17 1/4
Pintle height, loaded	(in.) 28
Electrical system	(volts) 24
No. of batteries	(12-volt) 2
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 191
Cooling system	(qt) 88
Crankcase, refill	(qt) 32
Auxiliary engine crankcase	(qt) 3
Transmission (including cooler)	(qt) 54 1/2
Differential	(qt) 72
Final drives	(each) (qt) 7
Brakes	mechanical, controlled-differential
Parking brake, type	hand-lever locks on steering brakes
Transmission (torqmatic):	
forward speeds	3
Gear ratio	High 0.336:1; Low 1.377:1
Differential-drive gear ratio	3.41:1
Final-drive gear ratio	3.95:1
Hull construction	cast homogeneous armor and welded armor plate

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 31
Fording depth	(in.) 48
Maximum width of ditch vehicle can cross	(in.) 95
Maximum vertical obstacle vehicle can climb	(in.) 46
Fuel consumption (average conditions)	(mpg) 0.5
Cruising range (average conditions)	(mi) 100
Allowable speed, governed	(mph) 30
Maximum allowable towed load, gross	(lb) 10,000

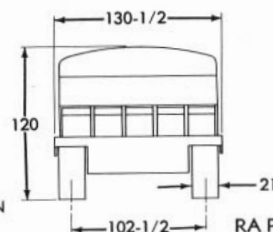
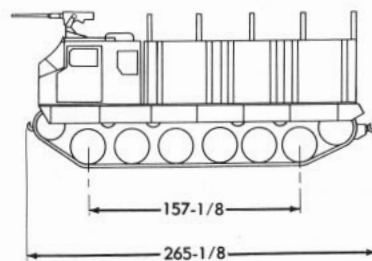
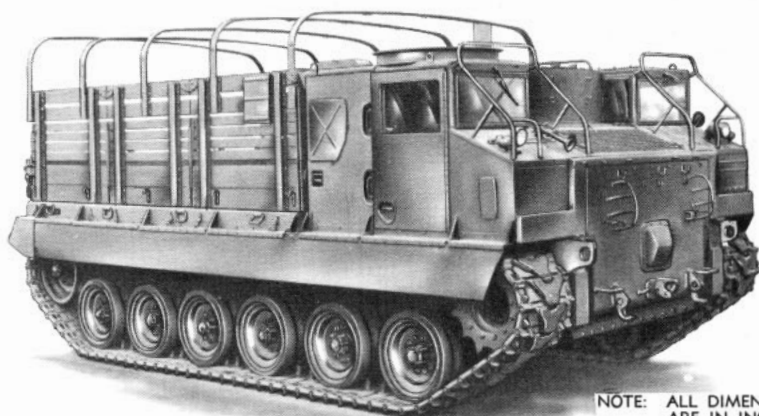
ENGINE

Manufacturer:	Ford	Model GAF
Type	4-cycle, valve-in-head; No. of cylinders (60-deg V)	8
Displacement	(cu in.)	1,100
Bore	(in.)	5.4
Stroke	(in.)	6
Compression ratio		7.5:1
Governed speed	(rpm)	2,800
Brake horsepower (max w/std accessories)	500 at (rpm)	2,600
Torque (max w/std accessories)	950 lb-ft at (rpm)	2,100
Type of ignition		magneto

ADDITIONAL DATA

Auxiliary engine: Waukeschau, Model G-TGU.
Data given for vehicle equipped with track, rubber-backed-steel, T80E1.
Track, rubber, T84E1 is interchangeable.
Manual and power turret-traversing mechanism.
Equipped with elevation stabilizer.

TRACTOR, CARGO, M8E2



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172687

Technical Manuals: 9-1730B, 9-1828A, 9-1829A; Supply Catalog: SNL G-252.

Classification: Standard.

Armament: 1 ring mount M-68 at top of cab.

Ammunition: 525 rounds cal. .50; 360 rounds cal. .30 carbine; 10 rockets.

GENERAL DATA

Crew	2
Weight (lb)	Net 37,500; Payload 17,500; Gross 55,000
Shipping dimensions, uncrated	(cu ft) 2,420; (sq ft) 242
Ground pressure	(psi) 8.3
Vehicle dimensions:	
Ground clearance	(in.) 19 3/16
Pintle height, loaded	(in.) 30
Loading height, empty	(in.) 57 3/4
Body inside dimensions (in.):	
Length 157	Width 114 1/2; Height 62 1/4
Cargo space	(cu ft) 650
Electrical system	(volts) 24
No. of batteries	2
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 225
Crankcase, refill	(qt) 44
Transmission, cross-drive (including cooler)	(qt) 72
Power take-off	(qt) 1
Winch:	
Oil	(qt) 336
Transmission	(qt) 6
Load	(lb) 45,000
Final drive (each)	(qt) 5
Brakes:	
Hand-lever controlled, hydraulic, multiple-disk steering brakes. Pedal operates them as service brakes.	
Parking brake, type: Lever for locking service brakes	
Ratio from engine output to torque converter input	0.715:1
Torque-converter stall ratio	3.8:1
No. of ranges (high, low, and reverse)	3
Ratio from torque converter output shaft to final drive flange:	
High range 1.4:1; Low range 5.34:1	
Final-drive gear ratio	4.75:1
Hull construction	welded sheet steel

Purpose: To tow heavy artillery, transport personnel, cargo, or ammunition over all types of terrain.

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius (ft)	pivots in place
Fording depth	(in.) 42
Maximum width of ditch vehicle can cross	forward (in.) 84
	reverse (in.) 80
Maximum vertical obstacle vehicle can climb	(in.) 30
Fuel consumption (average conditions)	(mpg) 0.8
Cruising range (average conditions)	(mi) 180
Maximum speed	(mph) 40
Maximum allowable towed load, gross	(lb) 39,000

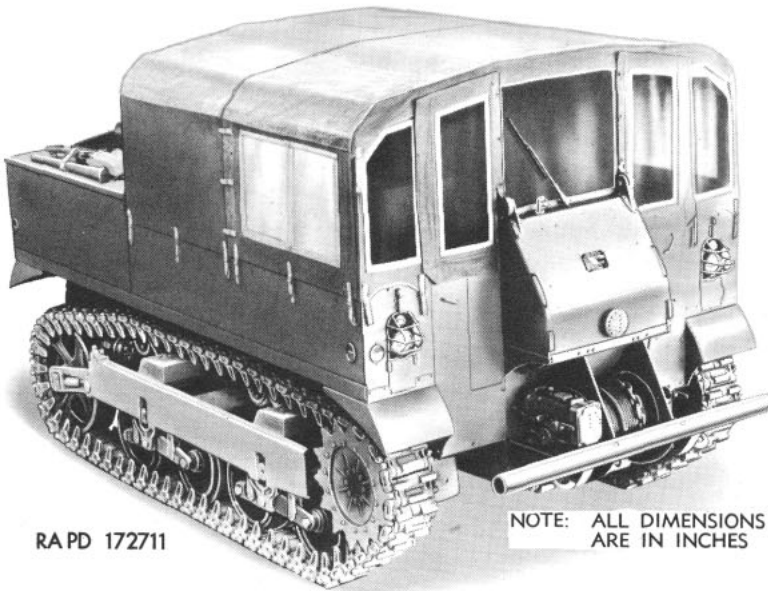
ENGINE

Manufacturer	Continental	Model AOS 895-3
Type	4-cycle, valve-in-head, air-cooled; No. of cylinders (opposed) 6	
Displacement	(cu in.) 895	
Bore	(in.) 5 3/4	
Stroke	(in.) 5 3/4	
Compression ratio	5.5:1	
Governed speed	(rpm) 2,800	
Brake horsepower (max w/std accessories)	363 at (rpm) 2,800	
Torque (max w/std accessories)	760 lb-ft at (rpm) 2,060	
Type of ignition	magneto	

ADDITIONAL DATA

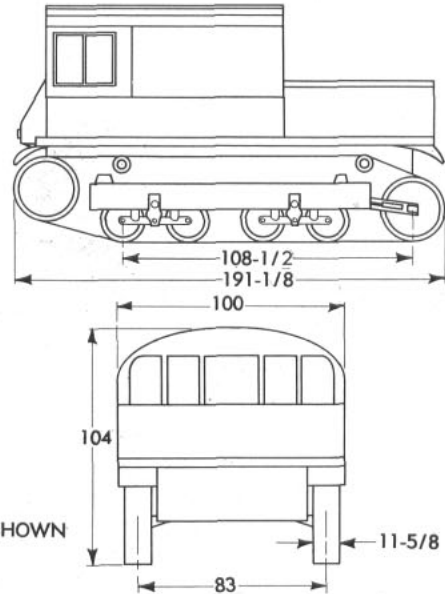
Data given for vehicle equipped with track, rubber-backed-steel, T91E3 w/detachable rubber grousers.

TRACTOR, HIGH-SPEED, 13-TON, M5



RA PD 172711

NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES



Technical Manuals: 9-786, 9-1786A, 9-1786B, 9-1825A, 9-1826A, 9-1826C, 9-1828A, 9-1829A; Supply Catalog: SNL G-162.

Classification: Standard.

Armament: See Additional Data.

Ammunition: 56 rounds, 105-mm or 24 rounds, 155-mm with extra primers and fuzes; 550 rounds cal. .50.

Purpose: To tow heavy artillery over rough terrain, and transport gun crews and ammunition.

GENERAL DATA

Crew	9
Weight, fighting	(lb) 28,572
Shipping dimensions, uncrated	(cu ft) 1,150; (sq ft) 133
Ground pressure	(psi) 11.3
Ground clearance	(in.) 19 3/4
Pintle height, loaded	(in.) 28 3/16
Electrical system	(volts) 12
No. of batteries	1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 100
Cooling system	(qt) 100
Crankcase, refill	(qt) 22
Winch:	
Oil capacity	(pt) 1 1/4
Load capacity	(lb) 15,000
Clutch-reduction-gear case	(pt) 3 1/4
Clutch selector unit	(pt) 3
Transmission and differential	(qt) 48
Final drive	(each) (qt) 3
Brakes	mechanical, controlled-differential
Parking brake, type	buttons for locking steering levers
Clutch gear-reduction unit:	
Speeds	2
Gear ratio	High 1:1; Low 1.71:1
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 5.43:1
Differential-drive gear ratio	2.6:1
Final-drive gear ratio	2.353:1

PERFORMANCE

Maximum grade ability	(percent) 50
Turning radius	(ft) 20
Fording depth	(in.) 53
Maximum width of ditch vehicle can cross	(in.) 66
Maximum vertical obstacle vehicle can climb	(in.) 18
Fuel consumption (average conditions)	(mpg) 1 1/2
Cruising range (average conditions)	(mi) 150
Maximum allowable speed, recommended	(mph) 30
Maximum allowable towed load, gross	(lb) 20,000

ENGINE

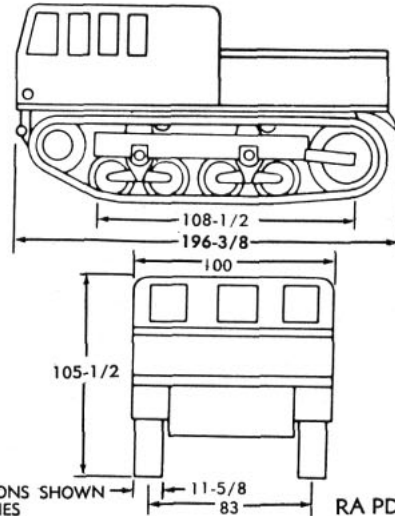
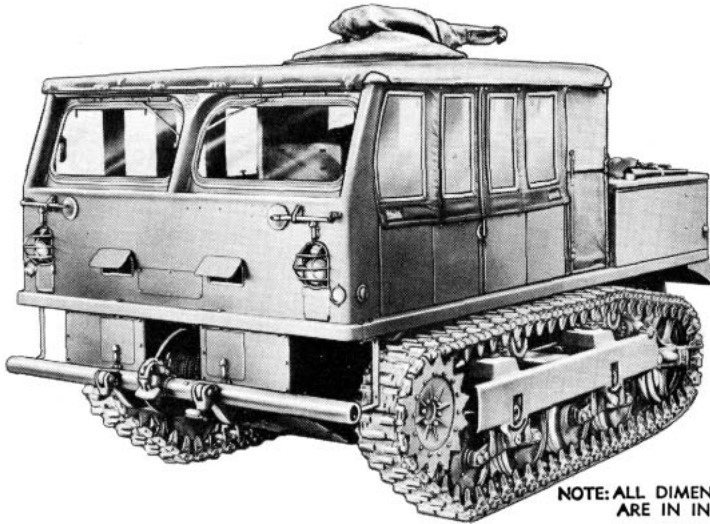
Manufacturer:	Continental	Model R6572
Type	4-cycle, valve-in-head, No. of cylinders (in line) 6	
Displacement	(cu in.) 572	
Bore	(in.) 4 3/4	
Stroke	(in.) 5 3/4	
Compression ratio	6.5:1	
Governed speed	not governed	
Brake horsepower (max w/std accessories)	207 at (rpm) 2,900	
Torque (max w/std accessories)	455 lb-ft at (rpm) 1,600	
Type of ignition	distributor	

ADDITIONAL DATA

Provided with electric- and air-brake systems for use with trailers. Some vehicles provided with ring mount for cal. .50 machine gun, all others may be converted.

Data given for vehicle equipped with track, rubber, T16. Tracks, steel, T36E6 and T54E1, and track, rubber, T44 are interchangeable.

TRACTOR, HIGH-SPEED, 13-TON, M5A1



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES RA PD 172702

Technical Manuals: 9-786, 9-1786A, 9-1786B, 9-1825A, 9-1826A, 9-1826C, 9-1828A, 9-1829A; Supply Catalog: SNL G-162.

Classification: Substitute Standard.

Armament: Ring mount for gun, machine, cal. .50, Browning, M2, heavy barrel (flexible).

Ammunition: 56 rounds, 105-mm or 24 rounds, 155-mm with extra fuzes and primers; 550 rounds cal. .50.

Purpose: To tow heavy artillery over rough terrain, and transport gun crews and ammunition.

GENERAL DATA

Crew	11
Weight, fighting	(lb) 30,405
Shipping dimensions, uncrated	(cu ft) 1,200; (sq ft) 137
Ground pressure	(psi) 12.1
Ground clearance	(in.) 19 3/4
Pintle height, loaded	(in.) 28 1/2
Electrical system	(volts) 12
No. of batteries	1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 100
Cooling system	(qt) 100
Crankcase, refill	(qt) 22
Winch:	
Oil capacity	(pt) 1 1/4
Load capacity	(lb) 15,000
Clutch-reduction-gear case	(pt) 3 1/4
Clutch-selector unit	(pt) 3
Transmission and differential	(qt) 48
Final drive	(each) qt 3
Brakes	mechanical, controlled-differential
Parking brake, type	buttons for locking steering levers
Clutch gear-reduction-unit:	
Speeds	2
Gear ratio	High 1:1; Low 1.71:1
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 5.43:1
Differential-drive gear ratio	2.6:1
Final-drive gear ratio	2.353:1

PERFORMANCE

Maximum grade ability	(percent) 50
Turning radius	(ft) 20
Fording depth	(in.) 53
Maximum width of ditch vehicle can cross	(in.) 66
Maximum vertical obstacle vehicle can climb	(in.) 18
Fuel consumption (average conditions)	(mpg) 1 1/2
Cruising range (average conditions)	(mi) 150
Allowable speed, recommended	(mph) 30
Maximum allowable towed load, gross	(lb) 20,000

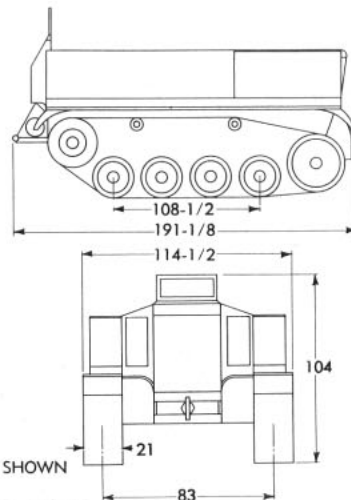
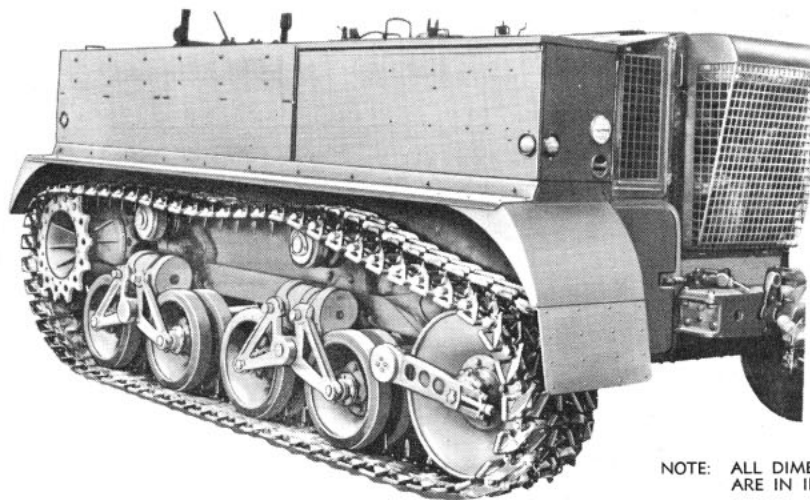
ENGINE

Manufacturer	Continental	Model R6572
Type	4-cycle, valve-in-head; No. of cylinders (in line)	6
Displacement	(cu in.)	572
Bore	(in.)	4 3/4
Stroke	(in.)	5 5/8
Compression ratio		6.5:1
Governed speed		not governed
Brake horsepower (max w/std accessories)	207 at (rpm)	2,900
Torque (max w/std accessories)	455 lb-ft at (rpm)	1,600
Type of ignition		distributor

ADDITIONAL DATA

Provided with electric- and air-brake systems for use with trailers.
Data given for vehicle equipped with track, rubber, T16. Tracks, steel, T36E6 and T55E1, and track, rubber, T44 are interchangeable.

TRACTOR, HIGH-SPEED, 13-TON, M5A2



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172718

Technical Manuals: 9-786, 9-1786A, 9-1786B, 9-1825A, 9-1826A, 9-1826C, 9-1828A, 9-1829A; **Supply Catalog:** SNL G-162.

Classification: Substitute Standard.

Armament: See Additional Data.

Ammunition: 56 rounds, 105-mm, or 24 rounds, 155-mm with extra fuzes and primers; 550 rounds cal. .50.

Purpose: To tow heavy artillery over rough terrain, and transport gun crews and ammunition.

GENERAL DATA

Crew	9
Weight, fighting	(lb) 26,149
Shipping dimensions, uncrated	(cu ft) 1,315; (sq ft) 152
Ground pressure	(psi) 5.7
Ground clearance	(in.) 19 3/4
Pintle height, loaded	(in.) 28 1/2
Electrical system	(volts) 12
No. of batteries	1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 100
Cooling system	(qt) 100
Crankcase, refill	(qt) 22
Winch:	
Oil capacity	(pt) 1 1/4
Load capacity	(lb) 15,000
Clutch reduction-gear case	(pt) 3 1/4
Clutch selector unit	(pt) 3
Transmission and differential	(qt) 48
Final drive	(each) (qt) 3
Brakes	mechanical, controlled-differential
Parking brake, type	buttons for locking steering brakes
Clutch gear-reduction unit:	
Speeds	2
Gear ratio	High 1:1; Low 1.71:1
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 5.43:1
Differential-drive gear ratio	2.6:1
Final-drive gear ratio	2.353:1

PERFORMANCE

Maximum grade ability	(percent) 50
Turning radius	(ft) 20
Fording depth	(in.) 53
Maximum width of ditch vehicle can cross	(in.) 66
Maximum vertical obstacle vehicle can climb	(in.) 18
Fuel consumption (average conditions)	(mpg) 1 1/2
Cruising range (average conditions)	(mi) 150
Allowable speed, recommended	(mph) 30
Maximum allowable towed load, gross	(lb) 20,000

ENGINE

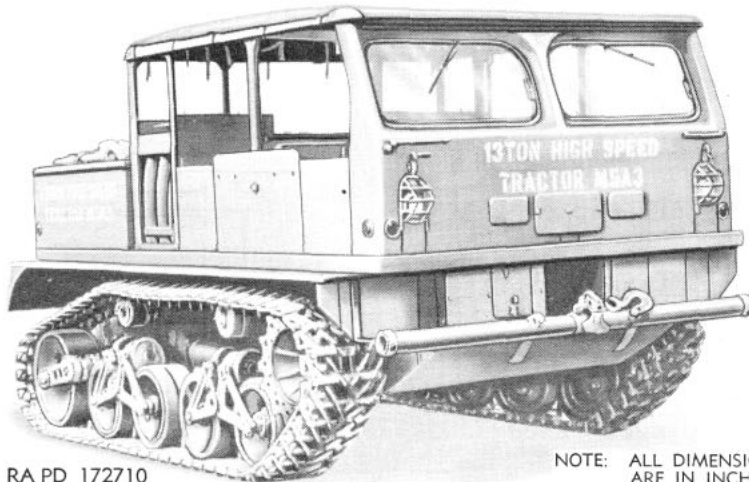
Manufacturer:	Continental	Model:	R6572
Type	4-cycle, valve-in-head; No. of cylinders (in line)	6	
Displacement	(cu in.)	572	
Bore	(in.)	4 3/4	
Stroke	(in.)	5 3/4	
Compression ratio		6.5:1	
Governed speed		not governed	
Brake horsepower (max w/std accessories)	207 at (rpm)	2,900	
Torque (max w/std accessories)	455 lb-ft at (rpm)	1,600	
Type of ignition		distributor	

ADDITIONAL DATA

Provided with electric- and air-brake systems for use with trailers. Some vehicles equipped with ring mount for cal. .50 machine gun. others can be converted.

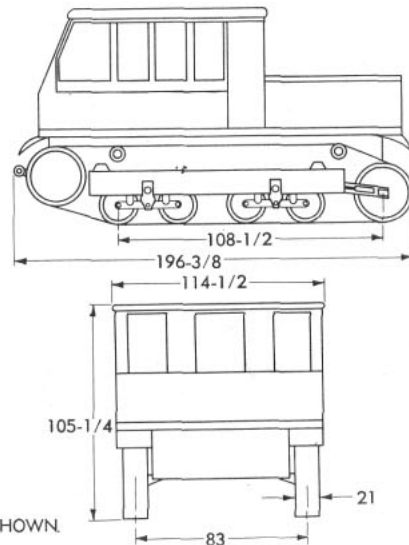
Data given for vehicle equipped with track, steel, T82.

TRACTOR, HIGH-SPEED, 13-TON, M5A3



RA PD 172710

NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES



Technical Manuals: 9-786, 9-1786A, 9-1786B, 9-1825A, 9-1826A, 9-1826C, 9-1828A, 9-1829A; Supply Catalog: SNL G-162.

Classification: Standard.

Armament: Ring mount for gun, machine, cal. .50, Browning, M2, heavy barrel (flexible).

Ammunition: 56 rounds, 105-mm or 24 rounds, 155-mm with extra fuzes and primers; 550 rounds cal. .50.

Purpose: To tow heavy artillery over rough terrain, and transport gun crews and ammunition.

GENERAL DATA

Crew.....	11
Weight, fighting.....	(lb) 30,350
Shipping dimensions, uncrated.....	(cu ft) 1,375; (sq ft) 157
Ground pressure.....	(psi) 6.7
Ground clearance.....	(in.) 19 3/4
Pintle height, loaded.....	(in.) 28 1/2
Electrical system.....	(volts) 12
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating.....	70
Capacities:	
Fuel.....	(gal) 100
Cooling system.....	(qt) 100
Crankcase, refill.....	(qt) 22
Winch:	
Oil capacity.....	(pt) 1 1/4
Load capacity.....	(lb) 15,000
Clutch-reduction-gear case.....	(pt) 3 1/4
Clutch selector unit.....	(pt) 3
Transmission and differential.....	(qt) 48
Final drive.....	(each) (qt) 3
Brakes.....	mechanical, controlled-differential
Parking brake, type.....	buttons for locking steering levers
Clutch gear-reduction unit:	
Speeds.....	2
Gear ratio.....	High 1:1; Low 1.71:1
Differential-drive gear ratio.....	2.6:1
Final-drive gear ratio.....	2.353:1
Transmission:	
Forward speeds.....	4
Gear ratio.....	High 1:1; Low 5.43:1

PERFORMANCE

Maximum grade ability.....	(percent) 50
Turning radius.....	(ft) 20
Fording depth.....	(in.) 53
Maximum width of ditch vehicle can cross.....	(in.) 66
Maximum vertical obstacle vehicle can climb.....	(in.) 18
Fuel consumption (average conditions).....	(mpg) 1 1/2
Cruising range (average conditions).....	(mi) 150
Allowable speed, recommended.....	(mph) 30
Maximum allowable towed load, gross.....	(lb) 20,000

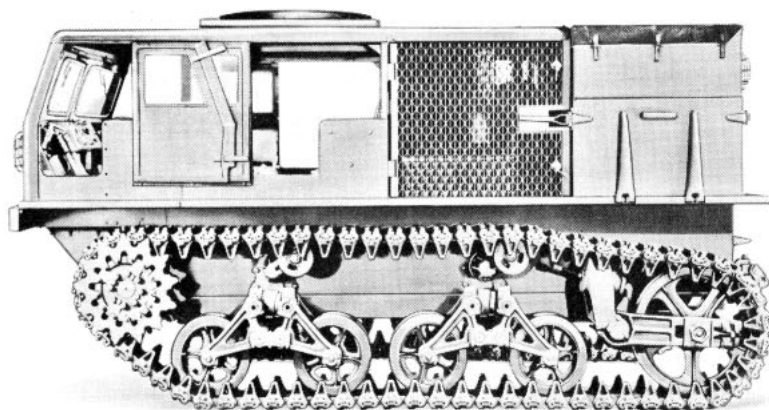
ENGINE

Manufacturer: Continental.....	Model; R6572
Type.....	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement.....	(cu in.) 572
Bore.....	(in.) 4 3/4
Stroke.....	(in.) 5 3/4
Compression ratio.....	6.5:1
Governed speed.....	not governed
Brake horsepower (max w/std accessories).....	207 at (rpm) 2,900
Torque (max w/std accessories).....	455 lb-ft at (rpm) 1,600
Type of ignition.....	distributor

ADDITIONAL DATA

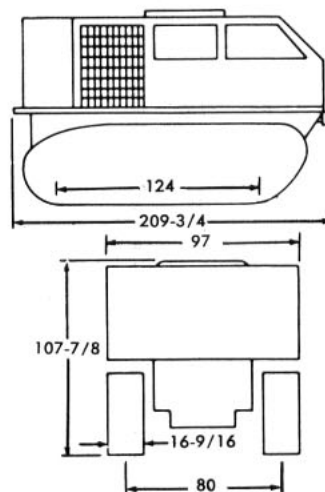
Provided with electric- and air-brake systems for use with trailers. Data given for vehicle equipped with track, steel, T82.

TRACTOR, HIGH-SPEED, 18-TON, M4, M4A1, M4C, AND M4A1C



RA PD 172748

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



Technical Manuals: 9-785, 9-1785A, 9-1785B, 9-1825A, 9-1826C, 9-1827A, 9-1828A, 9-1829A; Supply Catalog: SNL G-150.

Vehicle illustrated: M4.

Classification: Limited Standard.

Armament: Ring mount on top of cab for 1 gun, machine, cal. .50, Browning, M2, heavy barrel (flexible), or 1 gun, machine, cal. .30, Browning, M1919A4 (flexible).

GENERAL DATA

Crew	11
Weight, fighting	(lb) 31,400
Shipping dimensions, uncrated	(cu ft) 1,270; (sq ft) 141
Ground pressure	(psi) 7.6
Ground clearance	(in.) 20 3/4
Pintle height, loaded	(in.) 29
Electrical system	(volts) 12
No. of batteries	1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 125
Cooling system	(qt) 72
Crankcase, refill	(qt) 18
Winch:	
Oil capacity	(qt) 3
Load capacity	(lb) 30,000
Torque-converter-pump-drive housing	(qt) 1
Torque converter	(qt) 34
Fan-drive-gear housing	(qt) 7 1/2
Fan-drive housing	(qt) 1 1/2
Transmission and differential	(qt) 28
Final drive	(each) (qt) 10
Brakes	mechanical, controlled-differential
Parking brake, type	knobs for locking steering brakes
Torque-converter stall ratio	4.8:1
Transmission:	
Forward speeds	3
Gear ratio	High 0.438:1, Low 1.56:1; Creeper gear 2.16:1
Differential-drive gear ratio	2.682:1
Final-drive gear ratio	2.764:1

PERFORMANCE

Maximum grade ability	(percent) 30
Turning radius	(ft) 18 1/2
Fording depth	(in.) 41

Purpose: To tow heavy artillery over rough terrain and transport gun crews and ammunition.

Ammunition: 54 rounds, 90-mm or 105-mm; 550 rounds, cal. .50.

PERFORMANCE—Continued

Maximum width of ditch vehicle can cross	(in.) 60
Maximum vertical obstacle vehicle can climb	(in.) 29
Fuel consumption (average conditions)	(mpg) 0.8
Cruising range (average conditions)	(mi) 100
Allowable speed, governed	(mph) 35
Maximum allowable towed load, gross	(lb) 38,700

ENGINE

Manufacturer	Waukesha	Model 145GZ
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6	
Displacement	(cu in.) 817	
Bore	(in.) 5 3/4	
Stroke	(in.) 6	
Compression ratio	5.95:1	
Governed speed	(rpm) 2,100	
Brake horsepower (max w/std accessories)	190 at (rpm) 2,100	
Torque (max w/std accessories)	600 lb-ft at (rpm) 1,200	
Type of ignition	distributor	

ADDITIONAL DATA

Provided with electric- and air-brakes systems for use with trailers.

Data given for vehicle equipped with track, rubber, T48. Tracks, steel, T49 and T54E1 are interchangeable.

Above data are for M4. Changes for others are as follows: M4C carries 30 rounds, 155-mm or 12 rounds, 240-mm and 550 rounds cal. .50.

M4A1 carries 30 rounds, 155-mm or 12 rounds, 240-mm and 550 rounds cal. .50. A hoist is provided for handling the shells.

Changes in data for M4A1:

Tracks used: Track, rubber, T48 with extended end connectors, tracks, steel, T49 and T54E1 with extended end connectors.

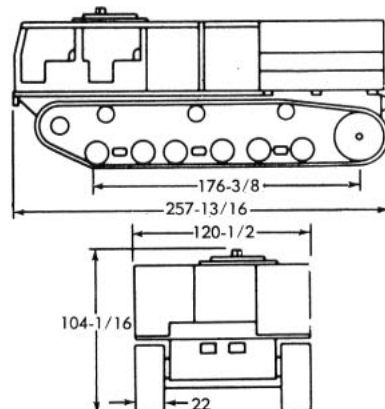
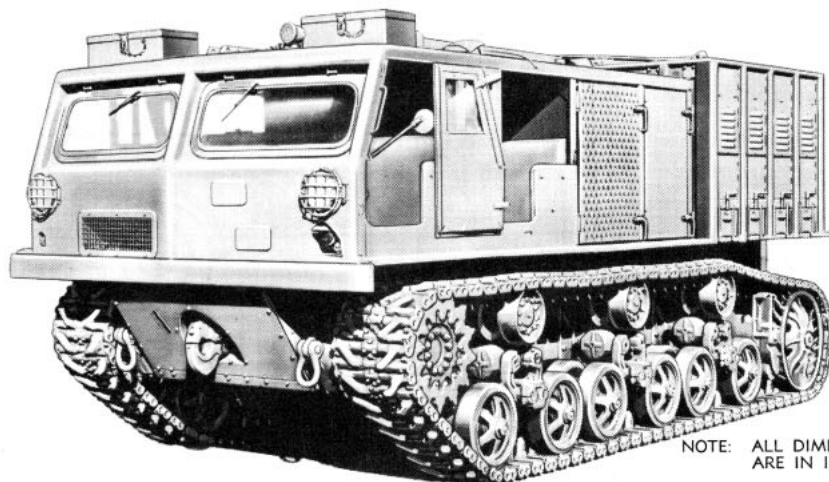
Over-all width (in.) 111

Ground pressure (psi) 5.4

Shipping dimensions, uncrated (cu ft) 1,450; (sq ft) 162

M4A1C is the same as M4A1, except the M4A1C has provision for stowage of shells in the rear crew compartment.

TRACTOR, HIGH-SPEED, 38-TON, M6



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172747

Technical Manuals: 9-788, 9-1785A, 9-1788, 9-1825A, 9-1826C, 9-1827A, 9-1828A, 9-1829A; Supply Catalog: SNL G-184.

Classification: Standard.

Armament: Ring mount on top of cab for gun, machine, cal .50, Browning, M2, heavy barrel (flexible).

Ammunition: 14 rounds, 240-mm, or 14 rounds, 8-inch, or 32 rounds, 120-mm; extra fuzes and primers; 550, rounds cal .50.

Purpose: To tow heavy artillery and transport gun crews and ammunition.

GENERAL DATA

Crew	11
Weight, gross	(lb) 76,000
Shipping dimensions, uncrated	(cu ft) 1,870; (sq ft) 215
Ground pressure	(psi) 9.8
Ground clearance	(in.) 21½
Pintle height, loaded	(in.) 30
Electrical system	(volts) 12
No. of batteries	(12-volt) 2
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 300
Cooling system	(each) (qt) 72
Crankcase, refill	(each) (qt) 20
Winch:	
Oil capacity	(qt) 4
Load capacity	(lb) 55,000
Torque-converter-pump-drive housing	(each) (qt) 1
Torque converter	(each) (qt) 38
Fan-drive-gear housing	(each) (qt) 1¼
Transmission and differential	(qt) 88
Final drive	(each) (qt) 25
Brakes	mechanical, controlled-differential
Parking brake, type	knobs for locking steering brakes
Transmission:	
Forward speeds	2
Gear ratio	High 0.695:1; Low 2.12:1
Torque-converter stall ratio	4.8:1
Differential-drive gear ratio	2.682:1
Final-drive gear ratio	3.06:1

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 26½
Fording depth	(in.) 54
Maximum width of ditch vehicle can cross:	
Forward	(in.) 102
Reverse	(in.) 96
Maximum vertical obstacle vehicle can climb	(in.) 30
Fuel consumption (average conditions)	(mpg) 0.3
Cruising range (average conditions)	(mi) 100
Maximum speed	(mph) 21
Maximum allowable towed load, gross	(lb) 50,000

ENGINE

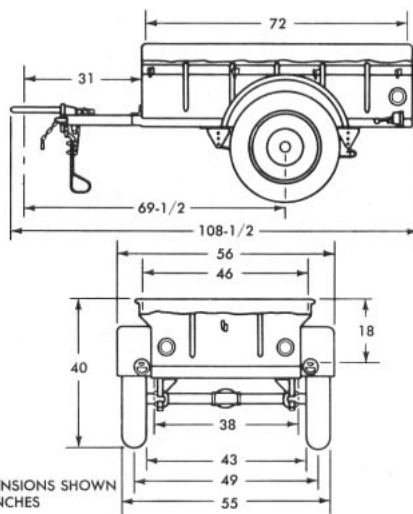
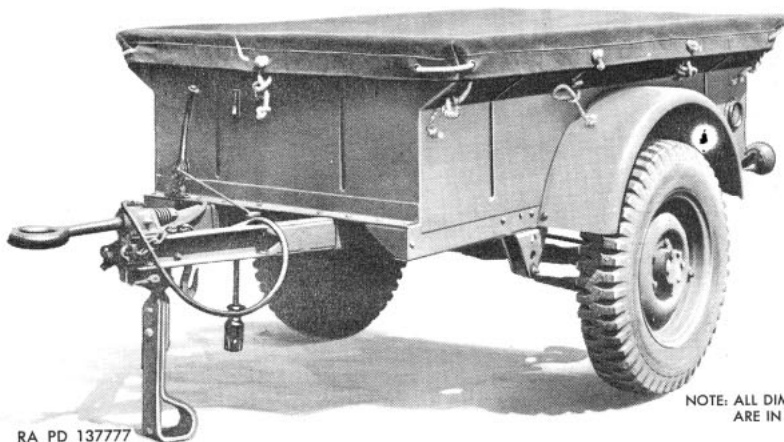
Manufacturer:	Waukesha	No. used	2; Model	145GZ
Type	4-cycle, valve-in-head; No. of cylinders (in line)			
Displacement	(cu in.)			
Bore	(in.)			
Stroke	(in.)			
Compression ratio	5.95:1			
Governed speed	(rpm) 2,100			
Brake horsepower (max w/std accessories)	190 at (rpm) 2,100			
Torque (max w/std accessories)	600 lb-ft at (rpm) 1,200			
Type of ignition	distributor			

ADDITIONAL DATA

Provided with electric- and air-brake systems for use with trailers.
Data given for vehicle equipped with track, steel, T73. Track rubber-backed-steel, T80E2, and track, rubber, T84E2 are applicable with spaced-out sprockets.

TRAILER, CARGO, 1/4-TON, 2-WHEEL

(American Bantam, Model T3, 1942-43; Willys, Model MBT, Amphibian; Convento; Fruehauf; Gemco; Pacific Car; Springfield; A Black; Checker Cab; Strick; Transportation Equipment; Utility)



Technical Manual: 10-1281; Supply Catalog: SNL G-529.

Vehicle illustrated: Willys.
Classification: Standard.

Purpose: To transport general cargo on land or water.

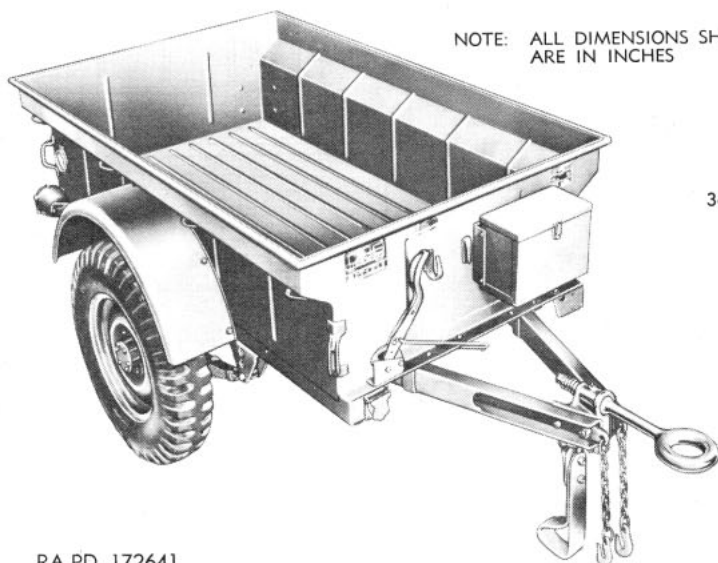
GENERAL DATA

Weight (lb): Net.....550
 Payload.....off highway 500; on highway 1,000
 Gross.....off highway 1,050; on highway 1,550
 Weight distribution (lb):
 Empty.....lunette 80; axle 470
 Loaded:
 Off highway.....lunette 153; axle 897
 On highway.....lunette 226; axle 1,324
 Tires.....Ply 6; Size 6.00 x 16; Pressure (psi) 30
 Shipping dimensions, uncrated.....(cu ft) 116; (sq ft) 42
 Vehicle dimensions:
 Ground clearance.....(in.) 12 1/4
 Lunette height, empty.....(in.) 22
 Cargo space.....(cu ft) 29
 Parking brake, type.....mechanical
 Towing vehicles to be used:
 Any land vehicle or amphibian equipped with pintle hook

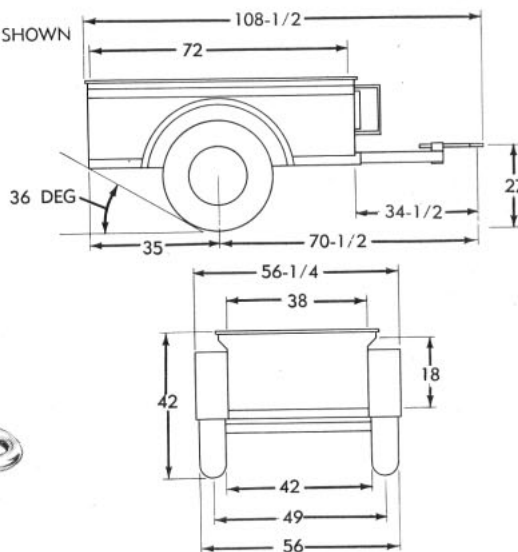
ADDITIONAL DATA

Trailer will float with 500-pound payload, with 6 inches freeboard.

TRAILER, CARGO, 1/4-TON, 2-WHEEL, M100



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 172641

Technical Manual: 9-871A; Supply Catalog: SNL G-747.

Classification: Standard.

Purpose: To transport general cargo on land or water.

GENERAL DATA

Weight (lb): Net.....56⁵
 Payload.....off highway 500; on highway 75⁰
 Gross.....off highway 1,065; on highway 1,315

Weight distribution (lb):
 Empty.....lunette 85; axle 480
 Loaded:
 Off highway.....lunette 100; axle 965
 On highway.....lunette 120; axle 1,195

Tires.....Ply 6; Size 7.00 x 16; Pressure (psi) 35

Shipping dimensions, uncrated.....(cu ft) 149; (sq ft) 43

Vehicle dimensions:
 Ground clearance.....(in.) 13 1/2
 Loading height, empty.....(in.) 42
 Body inside dimensions (in):
 Length 72.....Width 38; Height 18
 Cargo space.....(cu ft) 28 1/2

Parking brake, type.....mechanical

Towing vehicle to be used:
 Any land or amphibious vehicle equipped with pintle hook.

ADDITIONAL DATA

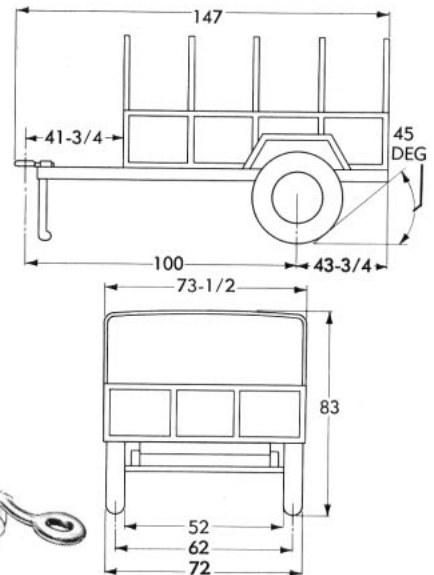
Trailer will float with 500-lb payload.

TRAILER, CARGO, 3/4-TON, 2-WHEEL, M101



RA PD 172757

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



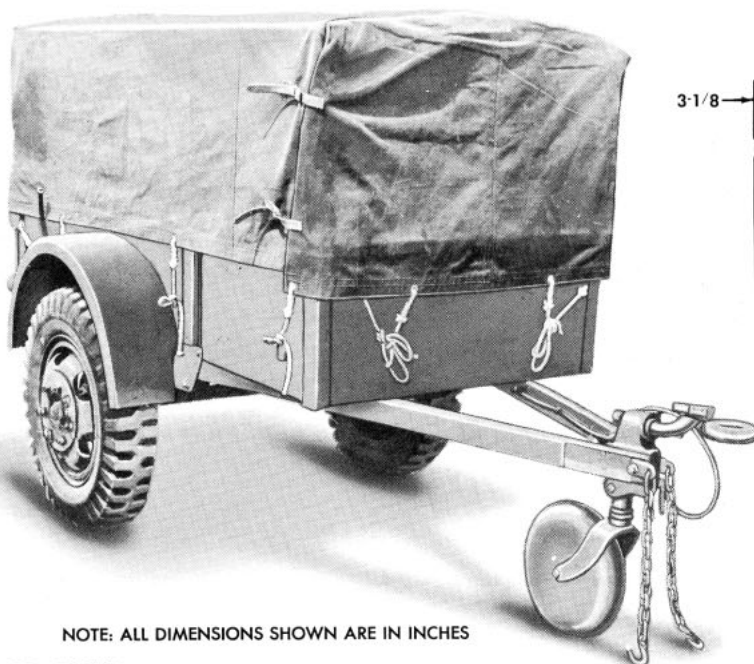
Purpose: To transport general cargo.

GENERAL DATA

Weight (lb)	Net 1,340
Payload.....	off highway 1,500; on highway 2,250
Gross.....	off highway 2,840; on highway 3,590
Weight distribution (lb):	
Empty.....	lunette 115; axle 1,225
Loaded:	
Off highway.....	lunette 200; axle 2,640
On highway.....	lunette 230; axle 3,360
Tires	Ply 8; Size 9.00 x 16; Pressure (psi) 40
Shipping dimensions, uncrated	(cu ft) 520; (sq ft) 75
Vehicle dimensions:	
Ground clearance.....	(in.) 14
Loading height, empty.....	(in.) 35
Lunette height w/body horizontal.....	(in.) 21 3/4
Body inside dimensions (in.):	
Length 96.....	Width 65 1/2; Height 48
Cargo space.....	(cu ft) 175
Parking brake, type	mechanical
Minimum towing vehicle to be used	truck, 3/4-ton, 4 x 4

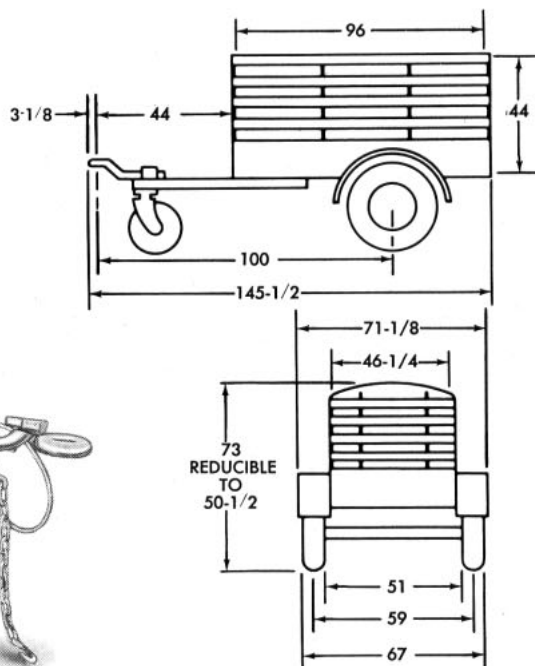
ADDITIONAL DATA

TRAILER, CARGO, 1-TON, 2-WHEEL (American Bantam, T6; Ben Hur 41-33, 41-120; etc. See Additional Data)



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

RA PD 172619



Technical Manual: 9-883; Supply Catalog: SNL G-518.

Vehicle illustrated: Ben Hur.
Classification: Standard.

Purpose: To transport general cargo.

GENERAL DATA

Weight (lb).....	Net 1,300
Payload.....	off highway 2,000; on highway 3,000
Gross.....	off highway 3,300; on highway 4,300
Weight distribution (lb):	
Empty.....	lunette 150; axle 1,150
Loaded:	
Off highway.....	lunette 260; axle 3,040
On highway.....	lunette 315; axle 3,985
Tires.....	Ply 8; Size 7.50 x 20; Pressure (psi) 55
Shipping dimensions, uncrated.....	(cu ft) 437; (sq ft) 72
Vehicle dimensions:	
Ground clearance.....	(in.) 15
Loading height.....	(in.) 6 1/4
Cargo space.....	(cu ft) 113
Brakes.....	hand parking only
Towing vehicles to be used.....	truck, 1/4-ton, 4 x 4; 1/2-ton, 4 x 2

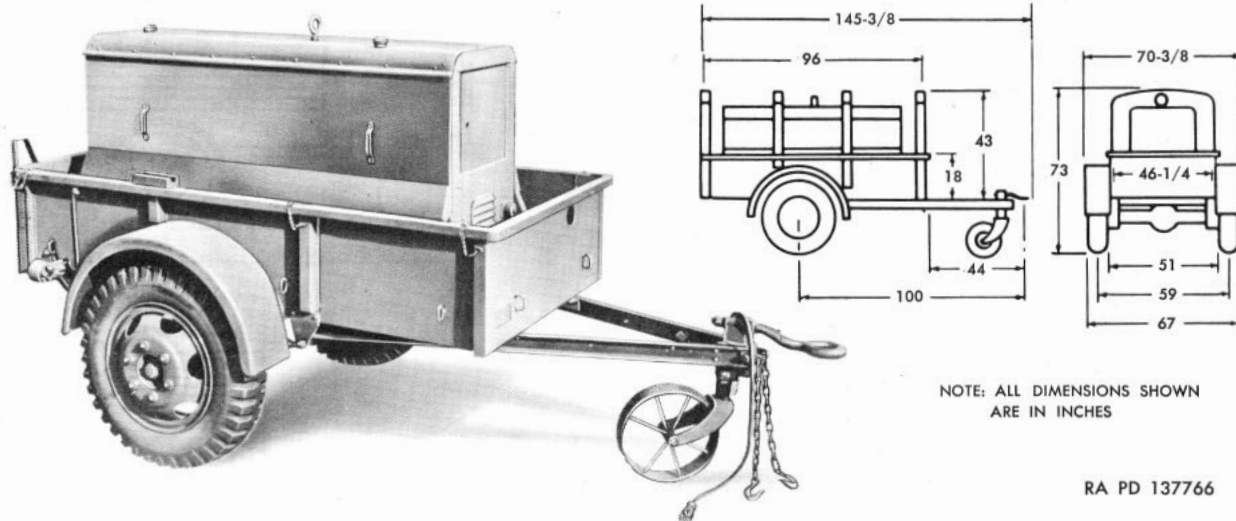
ADDITIONAL DATA

Similar vehicles manufactured by Century Boat works, T6; Checker, CC5, CC5A; Dorsey, T6; Gerstenslager, A; Henney, H1; Hercules Body, T6; Highland Body and Trailer, T6; Hobbs, 0901D; Hyde, L1; Mifflinburg Body, T6; Nabors, 3GC; Nash Kelvinator, A; Omaha Std Body, TW2; Pike, T6; Queen City, T6; Redman, T6; Steel Products, AC; Strick, US; Transportation Equip, T6; Truck Eng Corp, T6; Willys Overland, TW6; Winter-Weiss, T6; Baker; Covered Wagon; Keystone; Streich, M1.

Weight data for wood body; steel body 1,490 lb net, 3,490 lb gross off highway, 4,300 lb gross on highway.

Height of lunette (in.).....High position 31; Low position 26

TRAILER, TIRE REPAIR, 1-TON, 2-WHEEL, LOAD A, M25
(TRAILER, 1-ton, 2-wheel, cargo, w/equipment installed by Kreiger)



Technical Manual: 9-883; Supply Catalog No: SNL G-234.

Classification: Standard.

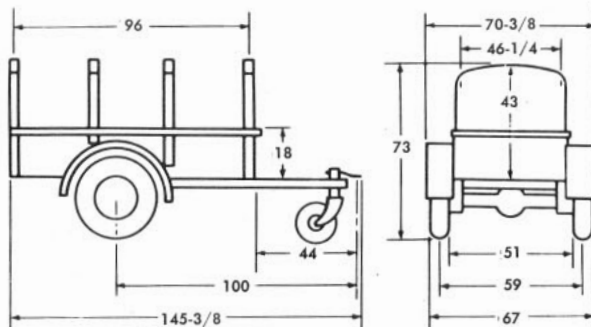
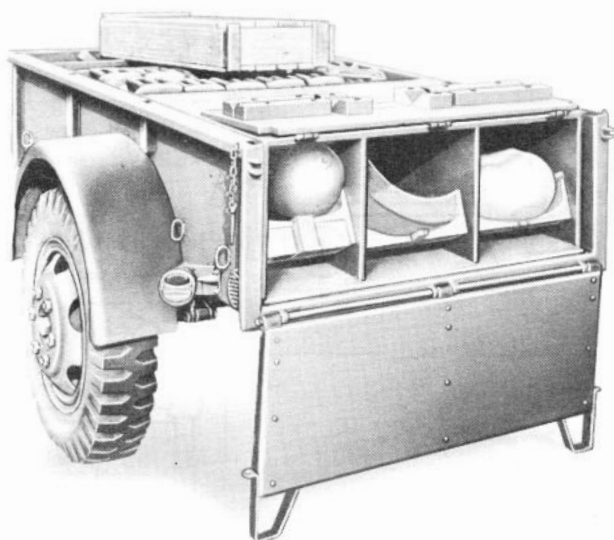
Purpose: To transport 25-kw generator to supply power for mobile tire-repair unit.

GENERAL DATA

Weight (lb) Net 1,300; Payload 2,500; Gross 3,800
Weight distribution (lb):
 Empty lunette 150; axle 1,150
 Loaded lunette 280; axle 3,520
Tires Ply 8; Size 7.50 x 20; Pressure (psi) 55
Shipping dimensions, uncrated (cu ft) 432; (sq ft) 71
Vehicle dimensions:
 Ground clearance (in.) 15
 Loading height (in.) 31 1/4
Brakes hand parking only
Towing vehicle to be used truck, 2 1/2-ton, tire repair, load A, M32

ADDITIONAL DATA

TRAILER, TIRE REPAIR, 1-TON, 2-WHEEL, LOAD B, M25 **(TRAILER, cargo, 1-ton, 2-wheel, w/equipment installed by Kreiger)**



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

RA PD 137767

Technical Manual: 9-883; Supply Catalog: SNL G-234.

Classification: Standard.

Purpose: To transport tire buffers, extra large matrices, head plate, and bags for mobile tire-repair unit, and water and gasoline in 5-gallon cans for servicing power unit in trailer carrying load A.

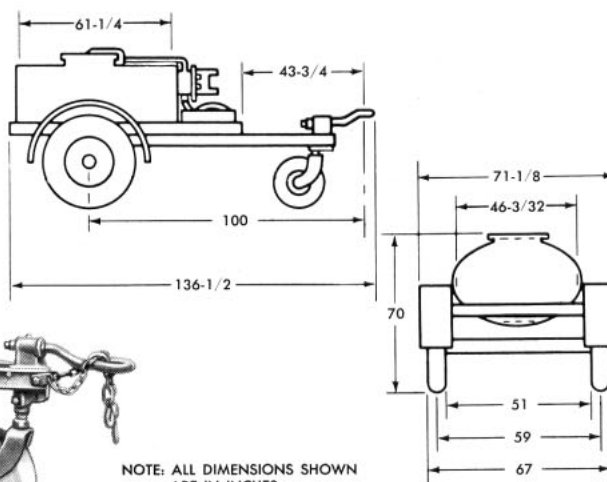
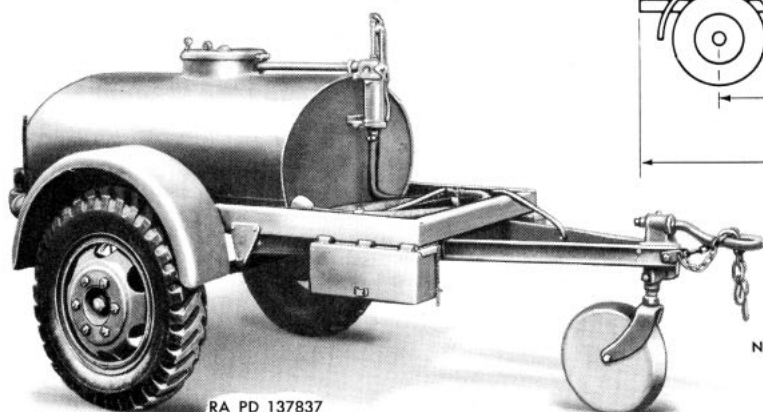
GENERAL DATA

Weight (lb) Net 1,300; Payload 1,050; Gross 2,350
Weight distribution (lb):
 Empty lunette 150; axle 1,150
 Loaded lunette 220; axle 2,130
Tires Ply 8; Size 7.50 x 20; Pressure (psi) 55
Shipping dimensions, uncrated (cu ft) 432; (sq ft) 71
Vehicle dimensions:
 Ground clearance (in.) 15
 Loading height (in.) 31 1/4
Brakes hand parking only
Towing vehicle to be used truck, 2 1/2 ton, 6 x 6, tire repair, load B, M32

ADDITIONAL DATA

TRAILER, WATER TANK, 1-TON, 2-WHEEL, 250-GAL

(Ben Hur, Model KWT; Checker, Models CC1, CC1A, CC1B, CC1C; Springfield Wagon and Trailer, Model SWT (T1-250); City Tank; Davis Welding; Fayette, Model 25; Lavine, Model KWT)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manual: 9-883; Supply Catalog: SNL G-527.

Vehicle illustrated: Ben Hur.

Classification: Standard.

Purpose: To transport, store, and dispense drinking water.

GENERAL DATA

Weight (lb):

Steel tank.....Net 1,500; Payload 2,000; Gross 3,500

Aluminum tank.....Net 1,350; Payload 2,000; Gross 3,350

Weight distribution (w/steel tank) (lb):

Empty.....lunette, 225; axle 1,275

Loaded.....lunette 270; axle 3,230

Tires.....Ply 8; Size 7.50 x 20; Pressure (psi) 55

Shipping dimensions, uncrated.....(cu ft); 347 (sq ft) 68

Ground clearance.....(in.) 15

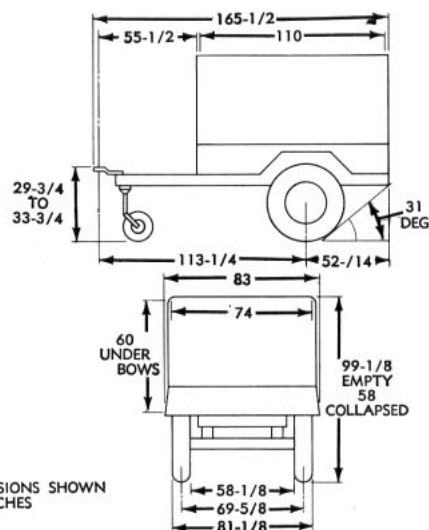
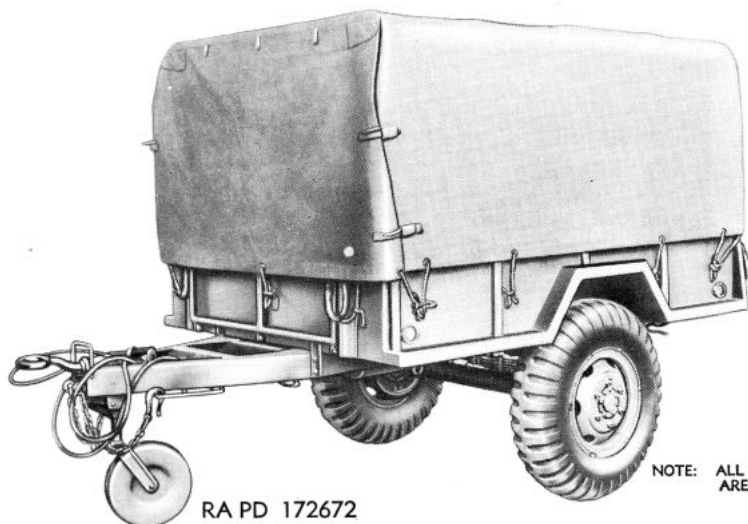
Brakes.....parking; mechanical

Towing vehicles to be used.....truck, 1/4-ton, 4 x 4; 1/2-ton, 4 x 2

ADDITIONAL DATA

Height of lunette (in.).....High position 31; Low position 26

TRAILER, CARGO, 1½-TON, 2-WHEEL, M104



Technical Manual: 9-875B; Supply Catalog: SNL G-754.

Classification: Standard.

Purpose: To transport general cargo.

GENERAL DATA

Weight (lb): Net..... 2,400
 Payload..... off highway 3,000; on highway 5,500
 Gross..... off highway 5,400; on highway 7,900

Weight distribution (lb):
 Empty..... lunette 200; axle 2,200
 Loaded:
 Off highway..... lunette 370; axle 5,030
 On highway..... lunette 510; axle 7,390

Tires: Ply 12; Size 11.00 x 20; Pressure (psi):
 On highway..... 50
 Cross country..... 35

Shipping dimensions, uncrated..... (cu ft) 462; (sq ft) 96

Vehicle dimensions:
 Ground clearance..... (in.) 19½
 Loading height, empty..... (in.) 40
 Body inside dimensions (in.):
 Length 110..... Width 74; Height 60
 Cargo space..... (cu ft) 283

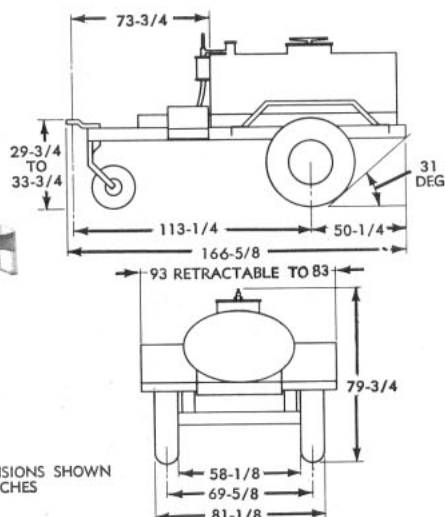
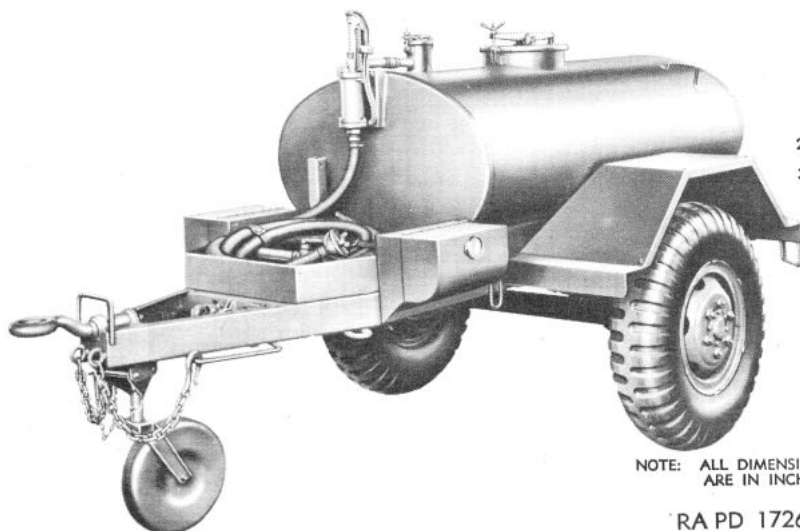
Brakes:
 Manufacturer; Timken-Detroit..... Type; air-hydraulic
 Parking brake, type..... mechanical

Minimum towing vehicle to be used..... truck, 2½-ton, 6 x 6

ADDITIONAL DATA

This trailer can be used only with a towing vehicle having an air supply such as the M34.

TRAILER, WATER TANK, 1½-TON, 2-WHEEL, M106



RA PD 172671

Technical Manual: 9-875B; Supply Catalog: SNL G-754.

Classification: Standard.

Purpose: To transport, store, and dispense drinking water.

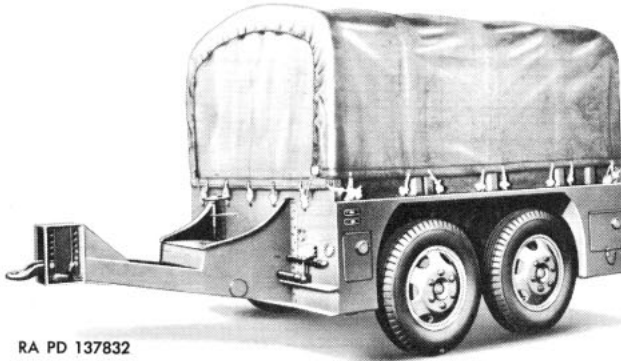
GENERAL DATA

Weight (lb).....Net 2,280; Payload 3,335; Gross 5,615
Weight distribution (lb):
 Empty.....lunette 280; axle 2,000
 Loaded.....lunette 280; axle 5,335
Tires: Ply 12; Size 11.00 x 20; Pressure (psi):
 On highway.....50
 Cross country.....35
Shipping dimensions, uncrated.....(cu ft) 700; (sq ft) 105
Vehicle dimensions:
 Ground clearance.....(in.) 19½
 Capacity.....(gal) 400
 Fording depth.....complete submergence
Brakes:
 Manufacturer: Timken-Detroit.....Type: air-hydraulic
 Parking brake, type.....mechanical
Minimum towing vehicle to be used.....truck, 2½-ton, 6 x 6

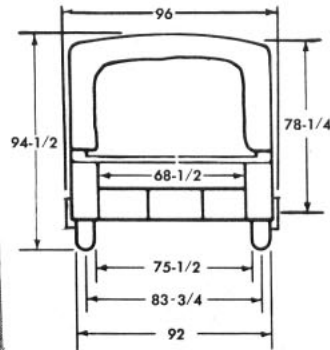
ADDITIONAL DATA

Can be used only with a towing vehicle having an air supply, such as the M34.
 Equipped with hand pump and 25-ft suction hose for filling and faucets for dispensing. Also filler hatch and manhole with hinged cover.

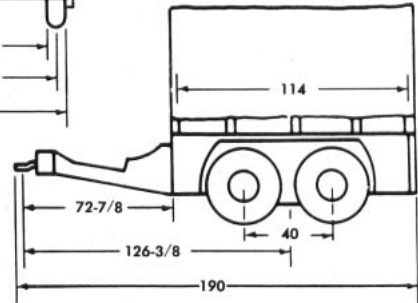
TRAILER, DIRECTOR, 2-TON, 4-WHEEL, M13 (Brill)



RA PD 137832



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



Technical Manual: 9-881; Supply Catalog: SNL G-221.

Classification: Limited Standard.

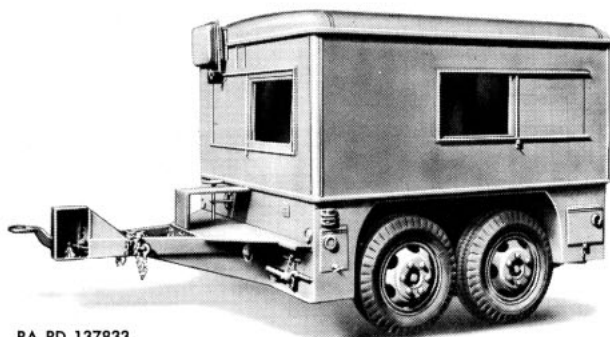
Purpose: To carry directors, M9 and M10.

GENERAL DATA

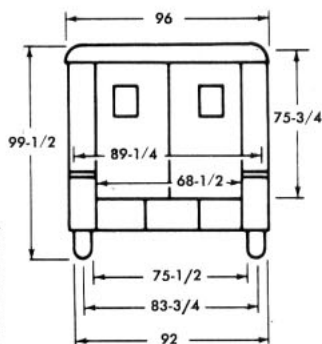
Weight (lb) Net 4,400; Gross 7,850
Weight distribution (lb):
 Empty front axle 2,200; rear axle 2,200
 Loaded front axle 3,925; rear axle 3,925
Tires Ply 12; Size 7.50 x 20; Pressure (psi) 55
Shipping dimensions, uncrated (cu ft) 1,029; (sq ft) 126
Vehicle dimensions:
 Ground clearance (in.) 4 1/4
 Loading height (in.) 17 3/4
Brakes:
 Manufacturer: Warner Type: electric
 Parking brake manually operates the service brakes
Minimum towing vehicle to be used truck, 3/4-ton, 4 x 4

ADDITIONAL DATA

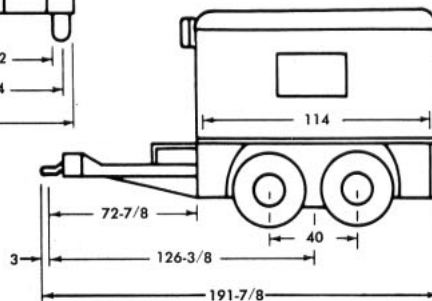
TRAILER, DIRECTOR, 2-TON, 4-WHEEL, M14 AND M22 (Brill, Fruehauf)



RA PD 137833



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



Technical Manual: 9-881; Supply Catalog: SNL G-221.

Vehicle illustrated: Fruehauf.

Classification: M14 Limited Standard; M22 Standard.

Purpose: To carry directors, M9 and M10.

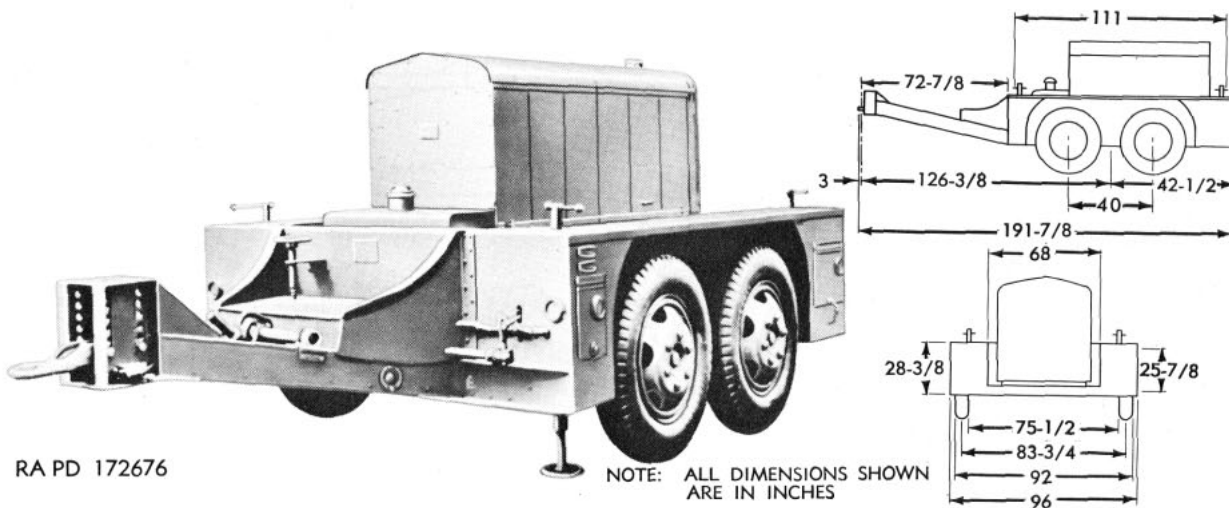
GENERAL DATA

Weight w/director (lb).....Gross 8,900
Axle load (lb).....front, 4,450; rear 4,450
Tires.....Ply 12; Size 7.50 x 20; Pressure (psi) 55
Shipping dimensions, uncrated.....(cu ft) 1,060; (sq ft) 128
Ground clearance.....(in.) 9 1/4
Brakes:
Manufacturer; Warner.....Type; electric
Parking brake, type.....handwheel operated
Minimum towing vehicle to be used.....truck, 1 1/2-ton, 4 x 2

ADDITIONAL DATA

Height of lunette adjustable from 24 1/4 in. to 32 1/4 in.

TRAILER, GENERATOR, 2-TON, 4-WHEEL, M7 (Brill, Fruehauf, Kreiger)



RA PD 172676

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manual: 9-881; Supply Catalog: SNL G-221.

Vehicle illustrated: Brill, with generator unit.
Classification: Standard.

Purpose: To transport generating units M7, M7A1, M15, M15A1 and M18.

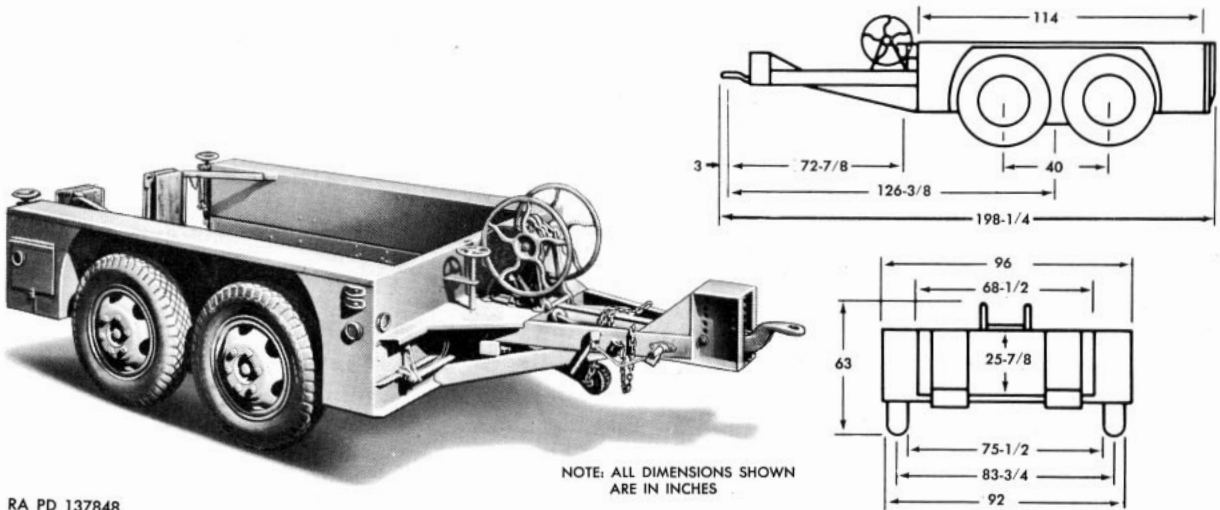
GENERAL DATA

Weight (lb).....Net 4,150; Payload 4,298; Gross 8,448
Axle load (lb):
Empty.....front 2,075; rear 2,075
Loaded.....front 4,224; rear 4,224
Tires.....Ply 12; Size 7.50 x 20; Pressure (psi) 55
Shipping dimensions, uncrated.....(cu ft) 470; (sq ft) 128
Vehicle dimensions:
Ground clearance.....(in.) 9 1/4
Loading height.....(in.) 17 3/4
Body inside dimensions (in.):
Length 111.....Width 68; Height 25 7/8
Brakes:
Manufacturer; Warner.....Type; electric
Parking brake, type.....handwheel operated
Towing vehicle to be used.....truck, 2 1/2-ton, 6 x 6

ADDITIONAL DATA

TRAILER, GENERATOR, 2-TON, 4-WHEEL, M18

(Fruehauf, Kreiger)



RA PD 137848

Technical Manual: 9-881; Supply Catalog: SNL G-221.

Vehicle illustrated: Fruehauf.

Classification: Standard.

Purpose: To transport generating units.

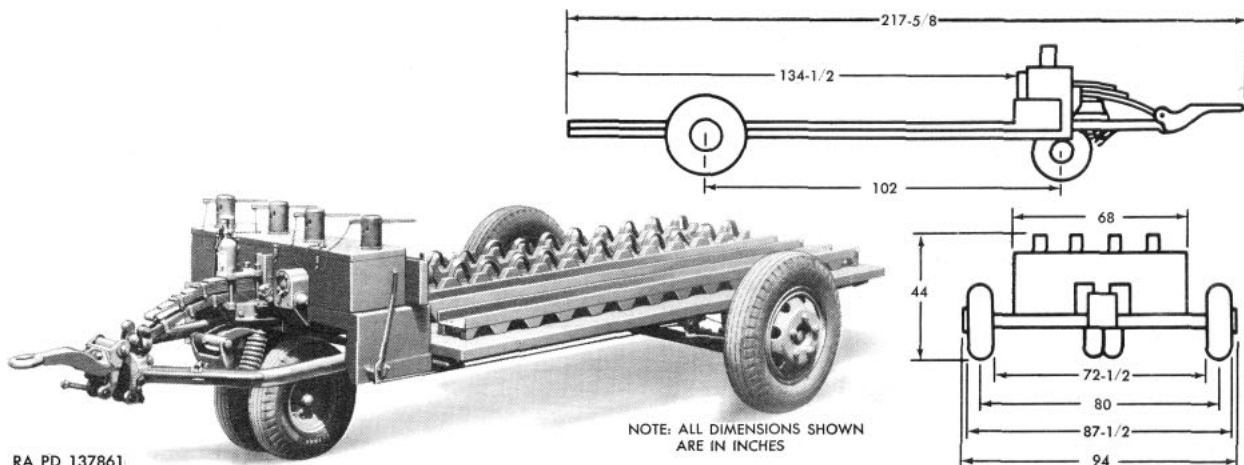
GENERAL DATA

Weight (lb) Net 4,000; Payload 4,194; Gross 8,194
Axle load (lb):
Empty front 2,000; rear 2,000
Loaded front 4,097; rear 4,097
Tires Ply 12; Size 7.50 x 20; Pressure (psi) 55
Shipping dimensions, uncrated (cu ft) 694; (sq ft) 132
Vehicle dimensions:
Ground clearance (in.) 9 3/4
Loading height (in.) 17 3/4
Brakes:
Manufacturer: Warner Type; electric
Parking brake, type handwheel operated
Towing vehicle to be used truck, 2 1/2-ton, 6 x 6

ADDITIONAL DATA

Lunette height (in.) Adjustable from 24 1/4 to 32 1/4

TRAILER, BOMB, 2½-TON, 3-WHEEL, M5 (American Seating, Oneida, Saginaw, Electric Wheel)



RA PD 137861

Technical Manual: 9-760; Supply Catalog: SNL G-74.

Classification: Standard.

Purpose: Used by AF to transport bombs.

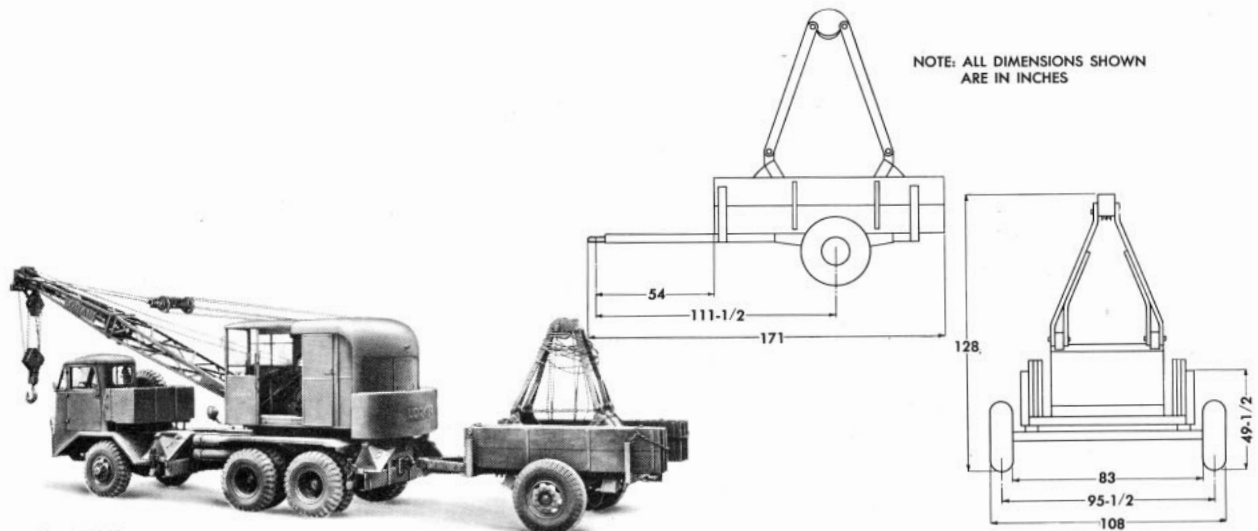
GENERAL DATA

Weight (lb) Net 3,200; Payload 5,000; Gross 8,200
Axle load (lb):
 Empty front 1,066; rear 2,134
 Loaded front 2,400; rear 5,800
Vehicle dimensions:
 Ground clearance (rear axle) (in.) 9½
 Loading height (in.) 21½
Tires:
 Ply front 6; rear 8; Size front 6.50 x 10; rear 7.50 x 18
 Pressure (psi) front 45; rear 55
 Tread, center-to-center, front (in.) 10½
Shipping dimensions, uncrated (cu ft) 519; (sq ft) 142
Pintle height (in.) 20½
Brakes: Manufacturer: Warner Type: electric
Minimum towing vehicle to be used truck, 1½-ton, 4 x 2

ADDITIONAL DATA

Front of hitch yoke has reversible lunette to attach to rear pintle of another trailer, or to a prime mover, so that it can be towed in trains at speeds up to 45 mph on highways.

TRAILER, CLAMSHELL, 3-TON, 2-WHEEL, M16 (Gramm) Used w/CRANE, Truck Mounted, M2



RA PD 137863

Technical Manual: 9-771; Supply Catalog: SNL G-172.

Classification: Standard.

Purpose: Equipment for Truck-Mounted Crane, M2.

GENERAL DATA

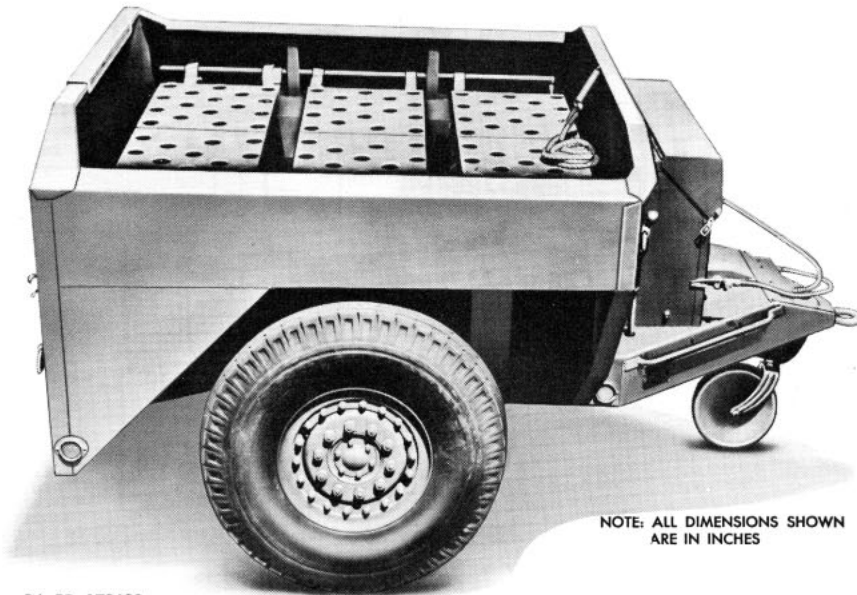
Weight (lb).....Net 2,425; Payload 5,815; Gross 8,240
Weight distribution (lb).....Loaded lunette, 725; axle 7,515
Tires.....Ply 14; Size 12.00 x 20; Pressure (psi) 75
Shipping dimensions, uncrated:
 Loaded w/clamshell and 10-ft mats.....(cu ft) 1,370; (sq ft) 128
Vehicle dimensions:
 Ground clearance.....(in.) 15
 Loading height, empty.....(in.) 49 1/2
Brakes.....none
Minimum towing vehicle to be used.....Crane, Truck Mounted, M2

ADDITIONAL DATA

Lunette height.....(in.) 33 1/4

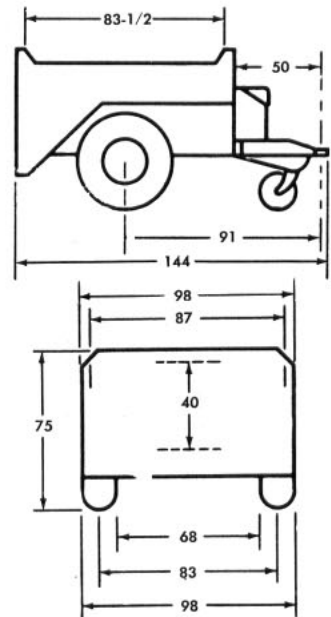
TRAILER, AMMUNITION, 4-TON, 2-WHEEL, M21

(Oneida, Trailmobile)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA_PD 172629



Technical Manuals: 9-792, 9-1827A; Supply Catalog: SNL G-213.

Classification: Limited Standard.

Purpose: To transport 72 rounds of 155-mm howitzer ammunition including powder charges, fuzes, and primers.

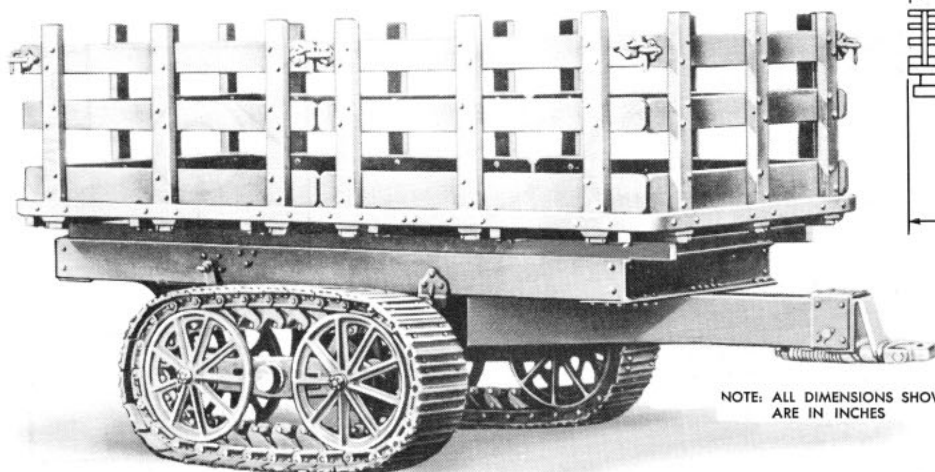
GENERAL DATA

Weight (lb).....Net 5,300; Payload 8,000; Gross 13,300
Weight distribution (lb):
 Empty.....lunette 150; axle 5,150
 Loaded.....lunette 275; axle 13,025
Tires.....Ply 18; Size 14.00 x 20; Pressure (psi) 75
Shipping dimensions, uncrated.....(cu ft) 610; (sq ft) 98
Vehicle dimensions:
 Ground clearance.....(in.) 12 3/4
 Loading height.....(in.) 35
 Height of lunette, trailer level.....(in.) 27
Brakes:
 Manufacturer; Timken-Detroit.....Type; air
 Parking brake, type.....mechanical
Minimum towing vehicle to be used.....Truck, 4-ton, 6 x 6

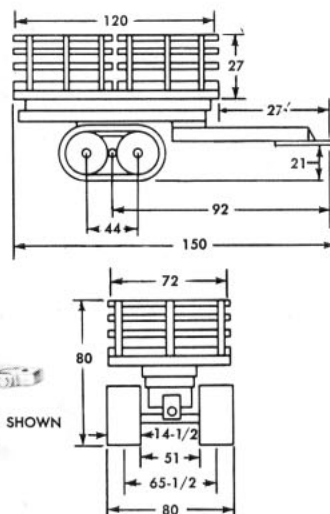
ADDITIONAL DATA

TRAILER, CARGO, 6-TON, TRACKED

(Athey, Model BT898-1)



RA PD 137716



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-790A, 9-1790A; Supply Catalog: SNL G-123.

Classification: Nonclassified.

Purpose: To transport general cargo over soft or rough terrain.

GENERAL DATA

Body type.....stake
Weight (lb).....Net 6,300; Payload 12,000; Gross 18,300
Weight distribution (lb):
Empty.....lunette 440; axle 5,860
Loaded.....lunette 1,220; axle 17,080
Ground pressure.....(psi) 13.3
Shipping dimensions, uncrated.....(cu ft) 505; (sq ft) 83
Vehicle dimensions:
Body inside dimensions (in.):
Length 120.....Width 72; Height, side rack 27
Cargo space.....(cu ft) 135
Ground clearance.....(in.) 15
Loading height.....(in.) 40
Pintle height.....(in.) 21
Turning radius.....(ft) 11
Towing vehicle to be used.....tractor

ADDITIONAL DATA

After serial No. 3611, loading height is 52 inches. Body inside height, under bows 72 inches. Cargo space 371 cubic feet.

After serial No. 3440, over-all length is 172 inches. Wheel base 110 inches. Serial Nos. 3216 to 3611, inside body height 32 inches and cargo space 160 cubic feet.

Spring-cushioned or rigid lunette used.
Rear coupler or pintle hook used.

(Athey, Model BT898-4)



Technical drawing of a car seat with dimensions in inches. The drawing includes a side view and a front view.

Side View Dimensions:

- Overall width: 132
- Overall height: 51
- Seat base width: 118
- Seat base height: 19
- Seat base depth: 44
- Overall depth: 199

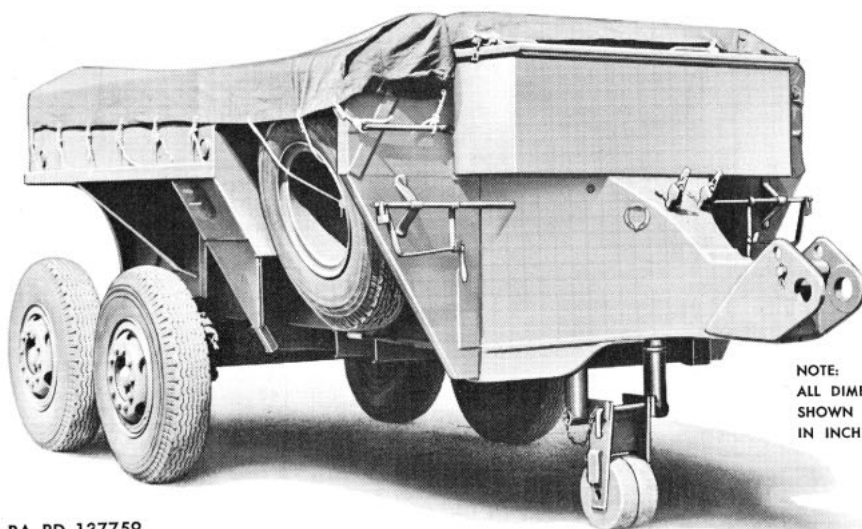
Front View Dimensions:

- Overall width: 80
- Overall height: 72
- Seat base width: 92
- Seat base height: 40
- Seat base depth: 134
- Seat base width (inner): 20
- Seat base width (middle): 46
- Seat base width (outer): 66
- Seat base width (total): 86

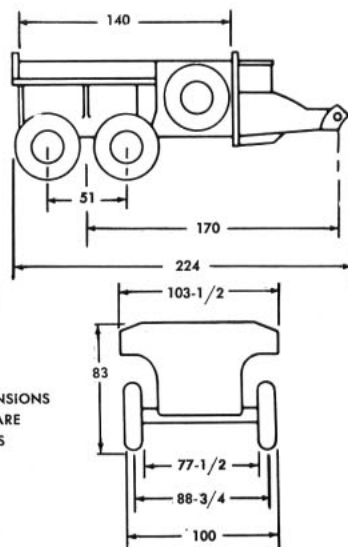
172688

147

TRAILER, AMMUNITION, 8-TON, 4-WHEEL, M23 (Utility)



RA PD 137759



NOTE:
ALL DIMENSIONS
SHOWN ARE
IN INCHES

Technical Manuals: 9-793, 9-1827A; Supply Catalog: SNL G-216.

Classification: Standard.

Purpose: To transport ammunition; 96 rounds 155-mm or 60 rounds 8-in or 32 rounds 240-mm.

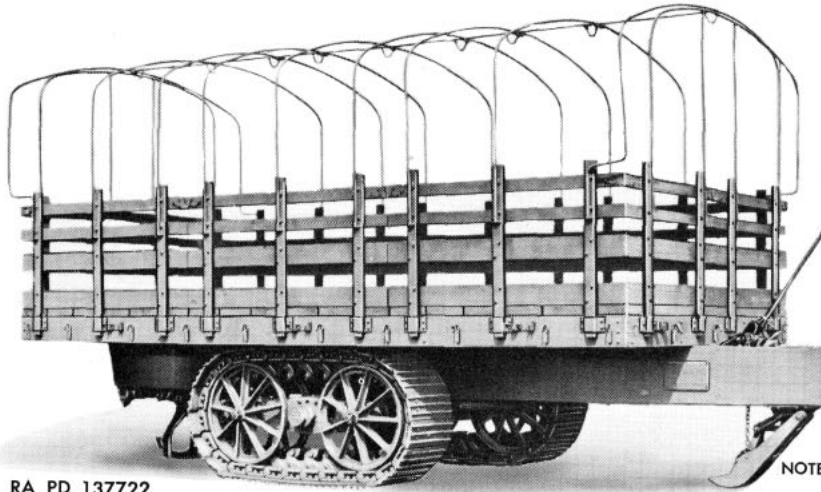
GENERAL DATA

Weight (lb).....Net 10,000; Payload 16,000; Gross 26,000
Weight distribution (lb):
 Empty.....connecting eye 2,400; axle (each) 3,800
 Loaded.....connecting eye 6,000; axle (each) 10,000
Tires.....Ply 12; Size 11.00 x 20; Pressure (psi) 70
Shipping dimensions, uncrated.....(cu ft) 1,599; (sq ft) 186
Vehicle dimensions (in.):
 Ground clearance.....13½
 Loading height.....34
 Height to connecting eye, loaded.....40½
 Pintle height.....18
Brakes: Manufacturer; Westinghouse.....Type; air
Towing vehicles to be used: Attached directly to 7½-ton prime mover or towed by truck, 4- to 5-ton, 4 x 4, or greater capacity, with front of trailer supported on Heavy Carriage Limber, M5.

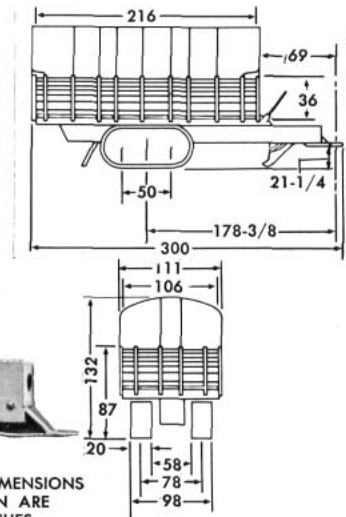
ADDITIONAL DATA

TRAILER, CARGO, 20-TON, TRACKED

(Athey, Model ET1076-1)



RA PD 137722



Technical Manuals: 9-790B, 9-1790A; Supply Catalog: SNL G-123.

Classification: Nonclassified.

Purpose: To transport general cargo over soft or rough terrain.

GENERAL DATA

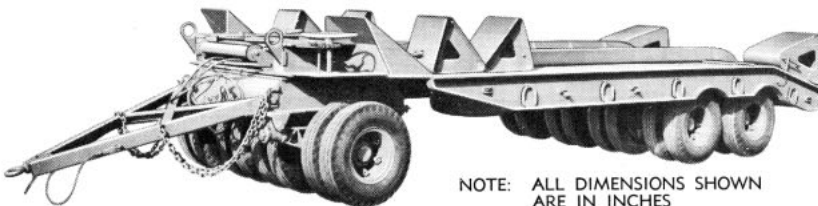
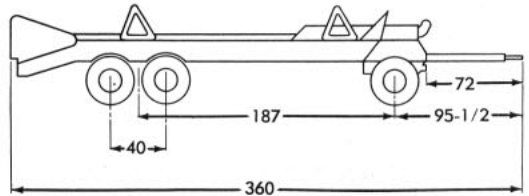
Body type.....stake
 Weight (lb).....Net 14,700; Payload 40,000; Gross 54,700
 Weight distribution (lb):
 Empty.....Lunette 340; axle 14,360
 Loaded.....Lunette 340; axle 54,360
 Ground pressure.....(psi) 27.1
 Shipping dimensions, uncrated.....(cu ft) 1,680; (sq ft) 231
 Vehicle dimensions:
 Body inside dimensions (in.):
 Length.....216
 Width.....106
 Height.....under bows 72; side rack 36
 Cargo space.....(cu ft) 960
 Ground clearance.....(in.) 17
 Loading height.....(in.) 53
 Pintle height.....(in.) 21 1/4
 Turning radius.....(ft) 21
 Towing vehicle to be used.....tractor

ADDITIONAL DATA

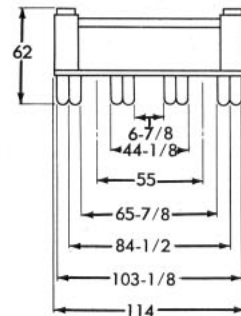
TRAILER, TRANSPORTER, 45-TON, 12-WHEEL, M9

(Pointer-Willamette, Model D45LF1; Checker Cab, Model D45LF1; Rogers Brothers, Model D45LF1; Winter-Weiss, Model D45LF1; Fruehauf Model CPT45SP)

Used w/TRUCK, 12-ton, 6 x 4, prime mover, M20, as component of TRUCK-TRAILER, 45-ton, tank transporter, M19



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES



RA PD 172642

Technical Manuals: 9-768, 9-1768C; Supply Catalog: SNL G-159.

Vehicle illustrated: Fruehauf.
Classification: Substitute Standard.

Purpose: To recover and transport damaged tanks and matériel weighing up to 90,000 pounds.

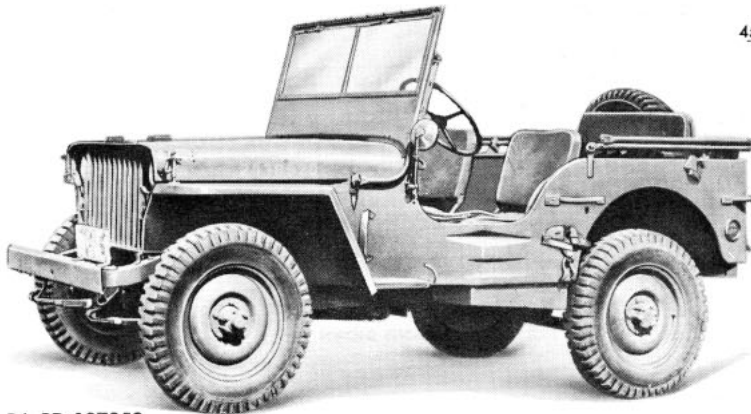
GENERAL DATA

Weight (lb).....Net 20,150; Payload 90,000; Gross 110,150
Weight distribution (lb):
Empty.....lunette 165; axle, front 6,550; rear (each) 6,718
Loaded.....lunette 165; axle, front 36,550; rear (each) 36,718
Tires.....Ply 14; Size 8.25 x 15; Pressure (psi) 100
Shipping dimensions, uncrated.....(cu ft) 1,475; (sq ft) 285
Vehicle dimensions:
Ground clearance.....(in.) 12
Loading height.....(in.) 41
Brakes:
Manufacturer; Fruehauf.....Type; air
Parking brake, type.....mechanical
Towing vehicle to be used.....truck, 12-ton, 6 x 4, prime mover, M20

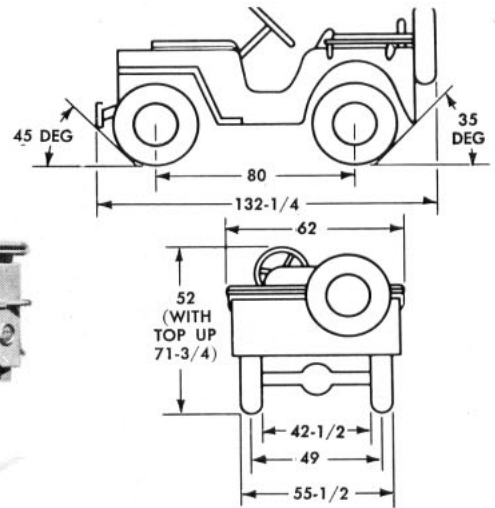
ADDITIONAL DATA

TRUCK, COMMAND RECONNAISSANCE, 1/4-TON, 4 x 4 (Ford, Model GPW; Willys, Model MB)

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137858



Technical Manuals: 9-803, 9-1803A, 9-1803B, 9-1825B, 9-1826A, 9-1827C, 9-1828A; Supply Catalog: SNL G-503.

Classification: Standard.

Purpose: To transport command and reconnaissance personnel and light cargo.

GENERAL DATA

Crew	2; Passengers (including) crew 5
Weight (lb)	Net 2,450
Payload	off highway 800; on highway 1,200
Gross	off highway 3,250; on highway 3,650
Live-axle gear ratio	4.88:1
Axle load (lb):	
Empty	front 1,240; rear 1,210
Loaded:	
Off highway	front 1,390; rear 1,860
On highway	front 1,465; rear 2,185
Tires	Ply 6; Size 6.00 x 16; Pressure (psi) 30
Tread, center-to-center, front	(in.) 49
Shipping dimensions, uncrated	(cu ft) 247; (sq ft) 57
Vehicle dimensions:	
Ground clearance	(in.) 8 3/4
Pintle height, loaded	(in.) 21
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	68
Capacities:	
Fuel	(gal) 15
Cooling system	(qt) 11
Crankcase, refill	(qt) 4
Transfer	(qt) 1 1/2
Transmission	(qt) 3 1/2
Axles (each)	(qt) 1 1/4
Brakes:	
Manufacturer; Bendix	Type; hydraulic
Parking brake, type	transmission
Transmission:	
Forward speeds	3
Gear ratio	High 1:1; Low 2.965:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 1.97:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 58
Turning radius (ft)	right 18; left 18 1/2
Fording depth	(in.) 25
Fuel consumption, loaded	(mpg) 19
Cruising range, loaded	(mi) 285
Allowable speed, recommended	(mph) 65
Maximum recommended towed load:	
Off highway	gross-(lb) 1,000
On highway	gross-(lb) 2,000

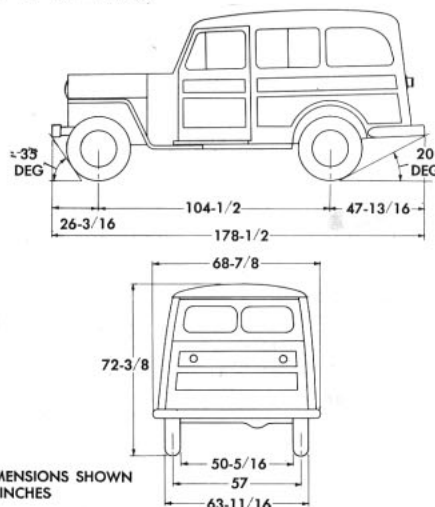
ENGINE

Manufacturer: Willys	Model 442
Type	L-head, 4-cycle; No. of cylinders (in line) 4
Displacement	(cu in.) 134.2
Bore	(in.) 3 1/8
Stroke	(in.) 4 3/4
Compression ratio	6.48:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	54 at (rpm) 4,000
Torque (max)	105 lb-ft at (rpm) 2,000

ADDITIONAL DATA

Live axles, type	hypoid, full-floating
Transmission, type	synchromesh

TRUCK, STATION WAGON, 1/4-TON, 4 x 4 (Willys, Models 4 X 463 and 4 X 473)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137824

Technical Manuals: 9-804, 9-1804A, 9-1804B, 9-1825B, 9-1826A, 9-1827C, 9-1828A; Supply Catalog: SNL G-740.

Vehicle illustrated: Model 4 x 463.

Classification: Nonclassified.

Purpose: To transport personnel and light cargo.

GENERAL DATA

Crew	2; Passengers (including crew) 7
Weight (lb)	Net 3,250; Payload 1,000; Gross 4,250
Live-axle gear ratio	5.38:1
Axle load (lb):	
Empty	front 1,452; rear 1,798
Loaded	front 1,700; rear 2,550
Tires:	
Ply 4	Size 6.50 x 15; Pressure (psi) front 24; rear 28
Tread, center-to-center, front	(in.) 57
Shipping dimensions, uncrated	(cu ft) 515; (sq ft) 86
Vehicle dimensions (in.):	
Ground clearance	8 3/4
Loading height, empty	22 3/4
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	68
Capacities:	
Fuel	(gal) 15
Cooling system (qt)	w/o heater 11; w/heater 12
Crankcase, refill	(qt) 4
Transmission	(qt) 1 1/2
Transfer	(qt) 2
Axles (each)	(qt) 1 1/4
Brakes:	
Manufacturer; Bendix	Type; hydraulic
Parking brake, type	rear-wheel
Transmission:	
Forward speeds	3
Gear ratio	High 1:1; Low 2.798:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 2.43:1

PERFORMANCE

Computed grade ability to lowest gear, loaded	(percent) 57
Turning radius	(ft) 23
Fording depth	(in.) 18
Fuel consumption, loaded	(mpg) 20
Cruising range, loaded	(mi) 300
Allowable speed, recommended	(mph) 60

ENGINE

Manufacturer: Willys	Model 4 x 463
Type	L-head, 4-cycle; No. of cylinders (in line) 4
Displacement	(cu in.) 134.2
Bore	(in.) 3 1/8
Stroke	(in.) 4 3/8
Compression ratio	6.48:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	54 at (rpm) 4,000
Torque (max)	105 lb-ft at (rpm) 2,000

ADDITIONAL DATA

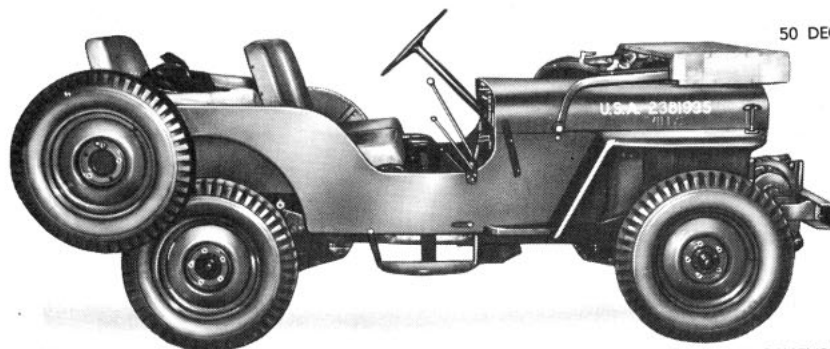
Live axles, type	hypoid, full-floating
Transmission, type	synchromesh
Above data given for Model 4 x 463.	
Changes in data for model 4 x 473 are as follows:	

ENGINE

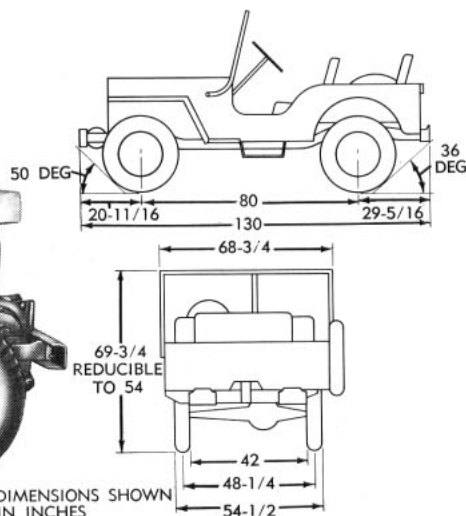
Manufacturer: Willys	Model 4 x 473
Type	F-head, 4-cycle; No. of cylinders (in line) 4
Displacement	(in.) 134.2
Compression ratio	7.4:1

TRUCK, UTILITY, 1/4-TON, 4 x 4, W/WINCH

(Willys, Model CJ-3A)



RA PD 172644



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Classification: Nonclassified.

Purpose: To transport command and reconnaissance personnel and light cargo.

GENERAL DATA

Crew	1; Passengers (including crew) 4
Weight (lb):	
Net.....	2,283
Payload.....	off highway 800; on highway 1,200
Gross.....	off highway 3,083; on highway 3,483
Live-axle gear ratio	5.38 : 1
Axle load (lb):	
Empty.....	front 1,305; rear 978
Loaded:	
Off highway.....	front 1,449; rear 1,634
On highway.....	front 1,521; rear 1,962
Tires:	
Ply 4.....	Size 6.00 x 16; Pressure (psi) front 26; rear 28
Tread, center-to-center, front.....	(in.) 48 1/4
Shipping dimensions, uncrated	(cu ft) 276; (sq ft) 61 1/2
Vehicle dimensions:	
Ground clearance.....	(in.) 8
Pintle height, empty.....	(in.) 20 3/4
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating68
Capacities:	
Fuel.....	(gal) 10 1/2
Cooling system.....	(qt) w/o heater 11; w/heater 12
Crankcase, refill.....	(qt) 4
Transmission.....	(qt) 1 1/2
Transfer.....	(qt) 1 3/4
Axles (each).....	(qt) 1 3/4
Winch.....	Oil capacity (qt) 1/2; Load capacity (lb) 6,000
Brakes:	
Manufacturer: Bendix.....	Type; hydraulic
Parking brake, type.....	transfer
Transmission:	
Forward speeds.....	3
Gear ratio.....	High 1:1; Low 2.80:1
Transfer:	
Speeds.....	2
Gear ratio.....	High 1:1; Low 2.43:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 76
Turning radius	(ft) 18
Fuel consumption, loaded	(mpg) 17
Cruising range, loaded	(mi) 178
Allowable speed, governed	(mph) 60
Maximum recommended towed load:	
Off highway, gross.....	(lb) 1,000
On highway, gross.....	(lb) 2,000

ENGINE

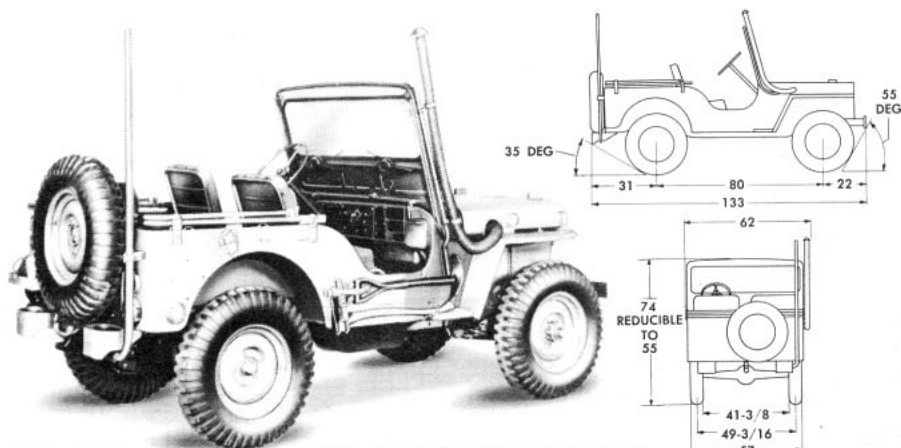
Manufacturer: Willys.....	CJ-3A
Type	L-head, 4 cycle; No. of cylinders (in line) 4
Displacement	(cu in.) 134.2
Bore	(in.) 3 1/8
Stroke	(in.) 4 3/8
Compression ratio	6.48:1
Governed speed	(rpm) 3,700
Brake horsepower (max w/std accessories)	51 at (rpm) 4,000
Torque (max)	105 lb-ft at (rpm) 2,000

ADDITIONAL DATA

Live axles, type	hypoid, full-floating
Transmission, type	synchromesh

TRUCK, UTILITY, 1/4-TON, 4 x 4, M38

(Willys)



RA PD 137783

NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Technical Manuals: 9-804, 9-1804A, 9-1804B, 9-1825B, 9-1826A, 9-1827C, 9-1828A; Supply Catalog: SNL G-740.

Classification: Standard.

Purpose: To transport command and reconnaissance personnel and light cargo.

GENERAL DATA

Crew	2; Passengers (including crew) 4
Weight (lb):	
Net.....	2,625
Payload.....	off highway 800; on highway 1,200
Gross.....	off highway 3,425; on highway 3,825
Live-axle gear ratio	5.38:1
Axle load (lb):	
Empty.....	front 1,363; rear 1,262
Loaded:	
Off highway.....	front 1,475; rear 1,950
On highway.....	front 1,475; rear 2,350
Tires:	
Ply 6; Size 7.00 x 16; Pressure (psi):	
Highway.....	28
Off highway.....	22
Mud, sand, or snow.....	15
Tread, center-to-center, front.....	(in.) 49 1/4
Shipping dimensions, uncrated	(cu ft) 266; (sq ft) 57
Vehicle dimensions:	
Ground clearance.....	(in.) 9 1/4
Pintle height, empty.....	(in.) 21 1/2
Electrical system	
No. of batteries.....	(12-volt) 2
Type of ground.....	negative
Fuel octane rating	68
Capacities:	
Fuel.....	(gal) 13
Cooling system.....	(qt) 11 1/2
Crankcase, refill.....	(qt) 4
Transmission.....	(qt) 1 1/2
Transfer.....	(qt) 2
Axles (qt).....	front 1 1/4; rear 1 3/4
Winch.....	Oil capacity (qt) 1/4; load capacity (lb) 3,500
Brakes:	
Manufacturer; Bendix.....	Type: hydraulic
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	3
Gear ratio.....	High 1:1; Low 2.80:1
Transfer:	
Speeds.....	2
Gear ratio.....	High 1:1; Low 2.43:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius (ft)	right 20; (left) 19
Fording depth	(in.) 70
Fuel consumption, loaded	(mpg) 17
Cruising range, loaded	(mi) 220
Allowable speed, recommended	(mph) 60
Maximum recommended towed load:	
Off highway, gross.....	(lb) 1,500
On highway, gross.....	(lb) 2,000

ENGINE

Manufacturer: Willys.....	Model MC
Type	L-head, 4-cycle; No. of cylinders (in line) 4
Displacement	(cu in.) 134.2
Bore	(in.) 3 1/4
Stroke	(in.) 4 3/4
Compression ratio	6.48:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	51 at (rpm) 4,000
Torque (max)	97 lb-ft at (rpm) 2,000

ADDITIONAL DATA

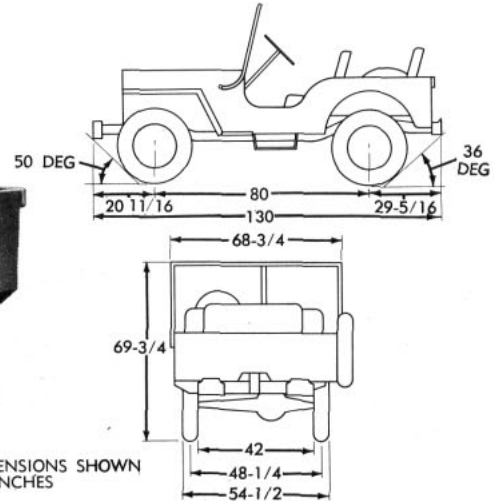
Live axles, type	hypoid, front full-floating; rear semi-floating
Transmission, type	synchromesh
Weights and axle loads are given for vehicle w/o winch. For vehicle w/winch, they are as follows:	
Weight (lb):	
Net.....	2,750
Payload.....	off highway 800; on highway 1,200
Gross.....	off highway 3,550; on highway 3,950
Axle load (lb):	
Empty.....	front 1,482; rear 1,268
Loaded:	
Off highway.....	front 1,595; rear 1,955
On highway.....	front 1,595; rear 2,355

TRUCK, UTILITY, 1/4-TON, 4 x 4 AND TRUCK, CARGO, 1/4-TON, 4 x 4

(Willys, Model CJ-3A)



RA PD 172643



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Classification: Nonclassified.

Purpose: To transport command and reconnaissance personnel and light cargo.

GENERAL DATA

Crew.....1; Passengers (including crew) 4
Weight (lb):
 Net.....2,203
 Payload.....off highway 800; on highway 1,200
 Gross.....off highway 3,003; on highway 3,403
Live-axle gear ratio.....5.38:1
Axle load (lb):
 Empty.....front 1,215; rear 988
 Loaded:
 Off highway.....front 1,359; rear 1,644
 On highway.....front 1,431; rear 1,972
Tires:
 Ply 4.....Size 6.00 x 16; Pressure (psi) front 26; rear 28
 Tread, center-to-center, front.....(in.) 48 1/4
Shipping dimensions, uncrated.....(cu ft) 276; (sq ft) 61 1/2
Vehicle dimensions:
 Ground clearance.....(in.) 8 3/4
 Pintle height, empty.....(in.) 20 3/4
Electrical system.....(volts) 6
 No. of batteries.....1
 Type of ground.....negative
Fuel octane rating.....68
Capacities:
 Fuel.....(gal) 10 1/2
 Cooling system (qt).....w/o heater 11; w/heater 12
 Crankcase, refill.....(qt) 4
 Transmission, each.....(qt) 1 1/2
 Transfer.....(qt) 1 1/4
 Axles (each).....(qt) 1 1/4
Brakes:
 Manufacturer; Bendix.....Type; hydraulic
 Parking brake, type.....transfer
Transmission:
 Forward speeds.....3
 Gear ratio.....High 1:1; Low 2.80:1
Transfer:
 Speeds.....2
 Gear ratio.....High 1:1; Low 2.43:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....(percent) 76
Turning radius.....(ft) 18
Fuel consumption, loaded.....(mpg) 17
Cruising range, loaded.....(mi) 178
Allowable speed, recommended.....(mph) 60
Maximum recommended towed load:
 Off highway, gross.....(lb) 1,000
 On highway, gross.....(lb) 2,000

ENGINE

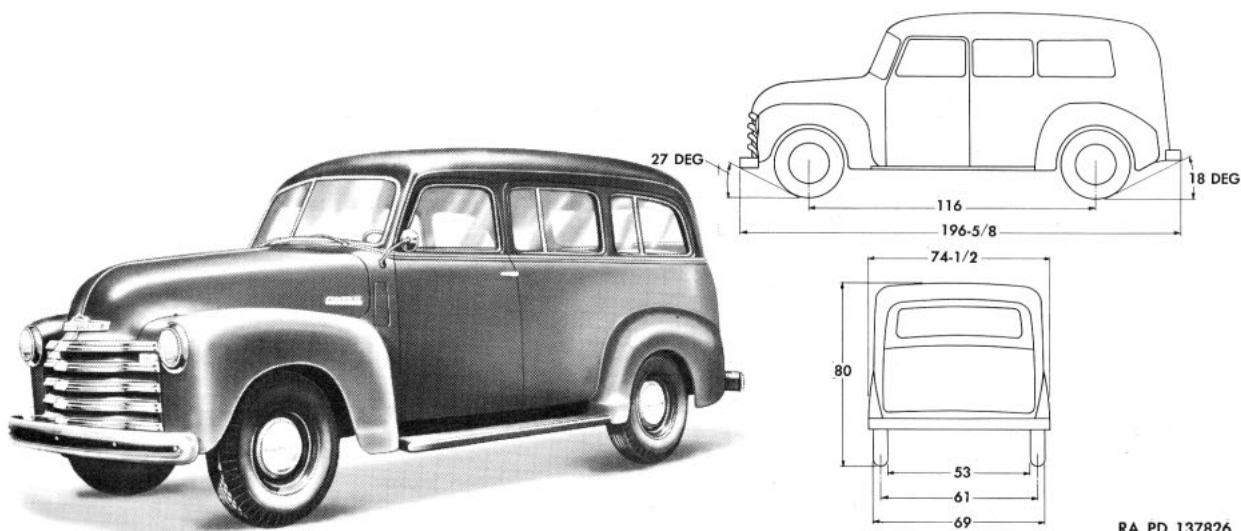
Manufacturer: Willys.....CJ-3A
Type.....L-head, 4-cycle; No. of cylinders (in line) 4
Displacement.....(cu in.) 134.2
Bore.....(in.) 3 1/4
Stroke.....(in.) 4 3/4
Compression ratio.....6.48:1
Governed speed.....not governed
Brake horsepower, (max w/std accessories).....54 at (rpm) 4,000
Torque (max).....105 lb-ft at (rpm) 2,000

ADDITIONAL DATA

Live axles, type.....hypoid, full floating
Transmission.....synchromesh

TRUCK, CARRYALL, 1/2-TON, 4 x 2

(Chevrolet, Model 3116, HP and JP, Suburban, 1950-51)



Classification: Standard.

Purpose: To transport light cargo and personnel.

GENERAL DATA

Crew	1; Passengers (including crew) 8
Weight (lb)	Net 3,855; Payload 1,000; Gross 4,855
Rear-axle gear ratio	4.11:1
Axle load (lb):	
Empty.....	front 1,835; rear 2,020
Loaded.....	front 2,045; rear 2,810
Tires:	
Ply 6.....	Size 6.50 x 16; Pressure (psi) front 35; rear 45
Tread, center-to-center, front.....	(in.) 56½
Shipping dimensions, uncrated	(cu ft) 680; (sq ft) 102
Vehicle dimensions:	
Ground clearance.....	(in.) 8¾
Loading height, empty.....	(in.) 27½
Body inside dimensions (in):	
Length 91½.....	Width 61¼; Height 50¾
Cargo space.....	(cu ft) 165
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	70
Capacities:	
Fuel.....	(gal) 16
Cooling system.....	(qt) 15
Crankcase, refill.....	(qt) 5
Transmission.....	(qt) ¾
Rear axle.....	(qt) 2¾
Brakes:	
Manufacturer; Chevrolet.....	Type; hydraulic
Parking brake, type.....	rear-wheel
Transmission:	
Forward speeds.....	3
Gear ratio.....	High 1:1; Low 2.94:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 25
Turning radius (ft)	right 19¾; left 20
Fording depth	(in.) 18
Fuel consumption, loaded	(mpg) 13
Cruising range, loaded	(mi) 208
Allowable speed, recommended	(mph) 70

ENGINE

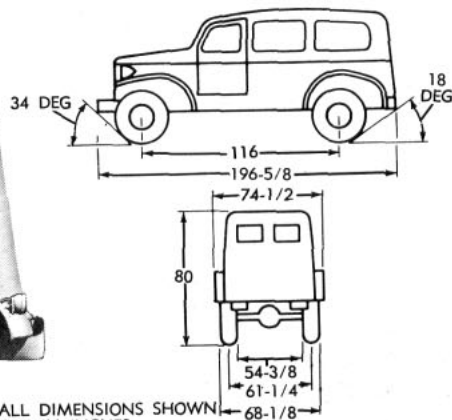
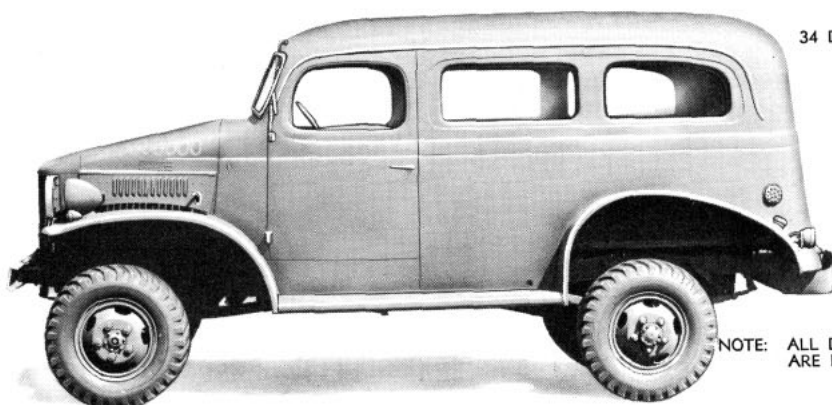
Manufacturer: Chevrolet.....	Model 1950-HB-1001 UP
	Model 1951-JB-1001 UP
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 216.5
Bore	(in.) 3½
Stroke	(in.) 3¾
Compression ratio	6.6:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	85 at (rpm) 3,300
Torque (max)	170 lb-ft at (rpm) 1,500

ADDITIONAL DATA

Rear axle, type	hypoid, semifloating
Transmission, type	synchromesh

TRUCK, CARRYALL, 1/2-TON, 4 x 2

(Dodge, Models WC-36, T112; WC-48, T112)



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

RA PD 172697

Technical Manual: 10-1378.

Classification: Standard.

Purpose: To transport light cargo and personnel.

GENERAL DATA

Crew	1; Passengers (including crew) 8
Weight (lb)	Net 3,800; Payload 1,000 (on highway); Gross 4,800
Rear-axle gear ratio	4.1:1
Axle load (lb):	
Empty.....	front 1,820; rear 1,980
Loaded.....	front 2,030; rear 2,770
Tires:	
Ply 6.....	Size 6.50 x 16; Pressure (psi) 40
Tread, center-to-center, front.....	(in.) 55 3/4
Shipping dimensions, uncrated	(cu ft) 680; (sq ft) 102
Vehicle dimensions:	
Ground clearance.....	(in.) 8 1/16
Loading height, empty.....	(in.) 27 1/2
Body inside dimensions (in.):	
Length.....	91 1/2; Width 61 3/4; Height 50 3/4
Cargo space.....	(cu ft) 165
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 18
Cooling system.....	(qt) 15 1/2
Crankcase, refill.....	(qt) 5
Transmission.....	(qt) 13 1/4
Rear axle.....	(qt) 1 3/4
Brakes:	
Manufacturer; Dodge.....	Type; hydraulic
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	3
Gear ratio.....	High 1:1; Low 3.3:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 37
Turning radius (ft)	Right 20 1/2; Left 23
Fording depth	(in.) 18
Fuel consumption, loaded	(mpg) 10
Cruising range, loaded	(mi) 180
Allowable speed, governed	(mph) 60

ENGINE

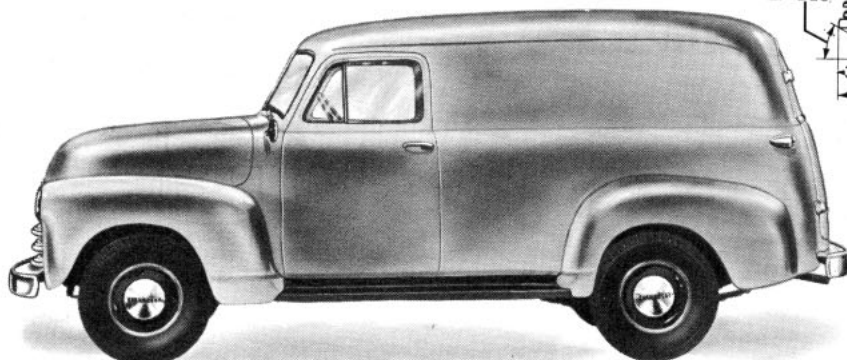
Manufacturer: Dodge.....	Model T-112
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 217.7
Bore	(in.) 3 1/4
Stroke	(in.) 4 3/4
Compression ratio	6.8:1
Governed speed	(rpm) 3,100
Brake horsepower (max w/std accessories)85 at (rpm) 3,000
Torque (max)	170 lb-ft at (rpm) 1,200

ADDITIONAL DATA

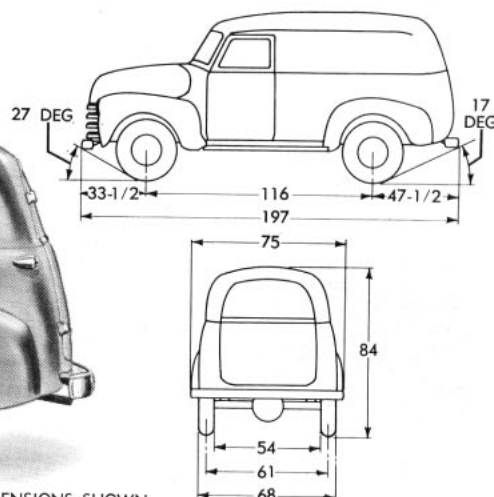
Rear axle, type	hypoid, semifloating
Transmission, type	selective sliding-gear

TRUCK, PANEL, 1/2-TON, 4 x 2

(Chevrolet, Model 3105)



RA PD 172752



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Classification: Nonclassified.

Purpose: To transport light cargo.

GENERAL DATA

Crew	1; Passengers (including crew) 2
Weight (lb)	Net 3,575
Payload.....	1,175
Gross.....	4,750
Rear-axle gear ratio	4.11:1
Axle load (lb):	
Empty.....	front 1,805; rear 1,770
Loaded.....	front 2,000; rear 2,750
Tires:	
Ply 6.....	Size 6.50 x 16; Pressure (psi) front 26; rear 36
Tread, center-to-center, front.....	(in.) 56½
Shipping dimensions, uncrated	(cu ft) 723; (sq ft) 103
Vehicle dimensions:	
Ground clearance.....	(in.) 8¾
Loading height, empty.....	(in.) 28½
Body inside dimensions (in.):	
Length 77¾.....	Width 61¼; Height 51¾
Cargo space.....	(cu ft) 141
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 16
Cooling system (qt).....	w/o heater 15; w/heater 16
Crankcase, refill.....	(qt) 5
Transmission.....	(qt) 34
Rear axle.....	(qt) 2¼
Brakes:	
Manufacturer; Chevrolet.....	Type; hydraulic
Parking brake, type.....	rear-wheel
Transmission:	
Forward speeds.....	3
Gear ratio.....	High 1:1; Low 2.94:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 30
Turning radius (ft)	right 19¾; left 20
Fording depth	(in.) 18
Fuel consumption, loaded	(mpg) 11
Cruising range, loaded	(mi) 176
Allowable speed, recommended	(mph) 60

ENGINE

Manufacturer; Chevrolet	Model HB or JB
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 216.5
Bore	(in.) 3½
Stroke	(in.) 3¾
Compression ratio	6.6:1
Governed speed (rpm)	not governed
Brake horsepower (max w/std accessories)	85 at (rpm) 3,300
Torque (max w/std accessories)	170 lb-ft at (rpm) 1,000-2,000

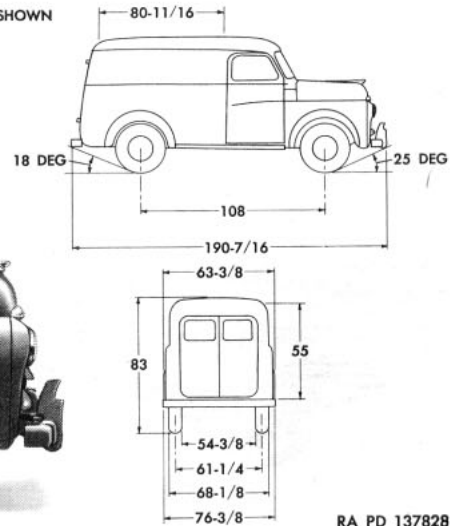
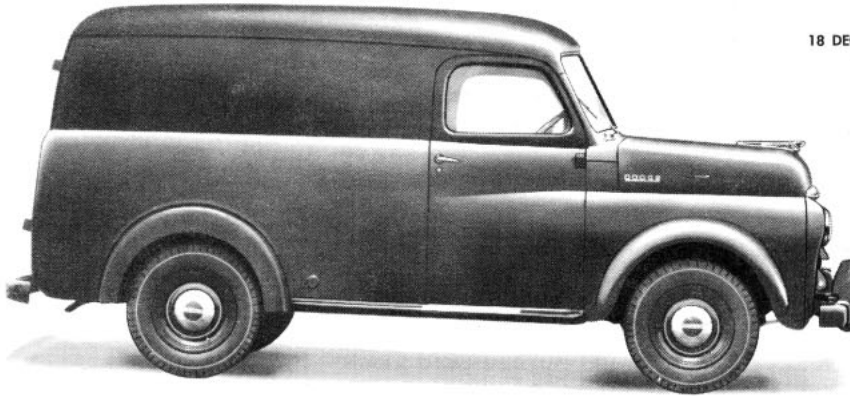
ADDITIONAL DATA

Rear axle, type	hypoid, semi-floating
Transmission, type	synchronesh

TRUCK, PANEL, 1/2-TON, 4 x 2

(Dodge, Model B1B108)

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137828

Classification: Standard.

Purpose: To transport light cargo.

GENERAL DATA

Crew	2
Weight (lb)	Net 3,400; Payload 1,450; (on highway) Gross 4,850
Rear-axle gear ratio	4.1:1
Axle load (lb):	
Empty	front 1,960; rear 1,440
Loaded	front 2,000; rear 2,850
Tires:	
Ply 6	Size 6.50 x 16; Pressure (psi) 36
Tread, center-to-center, front	(in.) 58 3/4
Shipping dimensions, uncrated	(cu ft) 698; (sq ft) 101
Vehicle dimensions:	
Ground clearance	(in.) 8 1/4
Loading height, empty	(in.) 28 1/4
Electrical system	(volts) 6
No. of batteries	1
Type of ground	positive
Fuel octane rating	70
Capacities:	
Fuel	(gal) 18
Cooling system	(qt) 17 1/2
Crankcase, refill	(qt) 5
Transmission	(qt) 13 1/4
Rear axle	(qt) 1 3/4
Brakes:	
Manufacturer; Dodge	Type; hydraulic
Parking brake, type	transmission
Transmission:	
Forward speeds	3
Gear ratio	High 1:1; Low 3.3:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 34
Turning radius	(ft) 19
Fording depth	(in.) 18
Fuel consumption, loaded	(mpg) 12
Cruising range, loaded	(mi) 216
Allowable speed, recommended	(mph) 60

ENGINE

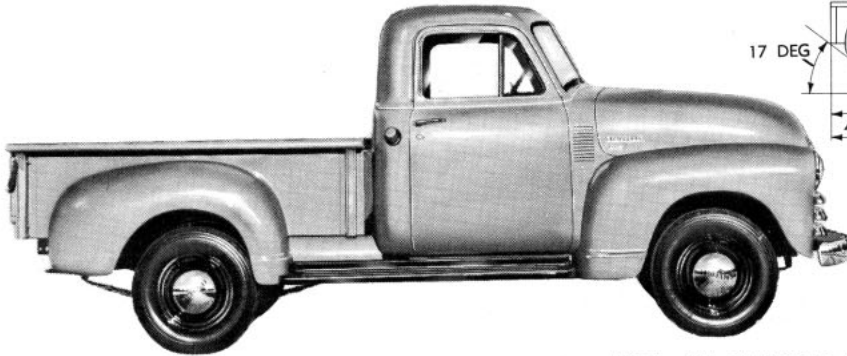
Manufacturer; Dodge	Model T-142
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 218
Bore	(in.) 3 3/4
Stroke	(in.) 4 3/4
Compression ratio	6.6:1
Brake horsepower, (max w/std accessories)	.82 at (rpm) 3,200
Torque (max w/std accessories)	164 lb-ft at (rpm) 1,200

ADDITIONAL DATA

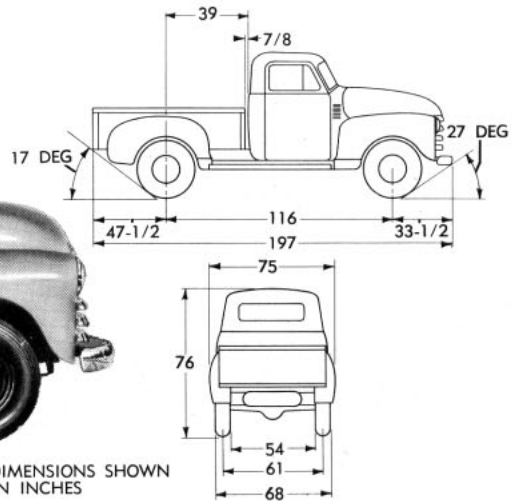
Rear axle, type	hypoid, semifloating
Transmission, type	selective sliding-gear

TRUCK, PICKUP, 1/2-TON, 4 x 2

(Chevrolet, Model 3104)



RA PD 172706



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Classification: Standard.

Purpose: To transport light cargo.

GENERAL DATA

Crew	1; No. Passengers (including crew) 3
Weight (lb):	
Net.....	3,330
Payload.....	1,270
Gross.....	4,600
Rear-axle gear ratio	4.11:1
Axle load (lb):	
Empty.....	front 1,865; rear 1,465
Loaded.....	front 1,950; rear 2,650
Tires:	
Ply 6.....	Size 6.50 x 16; Pressure (psi) front 26; rear 36
Tread, center-to-center, front.....	(in.) 56 1/2
Shipping dimensions, uncrated	(cu ft) 650; (sq ft) 103
Vehicle dimensions:	
Ground clearance.....	(in.) 8 3/4
Loading height, empty.....	(in.) 30
Body inside dimensions (in.):	
Length 78.....	Width 50; Height 16 3/4
Cargo space.....	(cu ft) 37
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 17 1/2
Cooling system (qt).....	w/o heater 15; w/heater 16
Crankcase, refill.....	(qt) 5
Transmission.....	(qt) 3 1/2
Rear axle.....	(qt) 2 1/2
Brakes:	
Manufacturer; Chevrolet.....	Type; hydraulic
Parking brake, type.....	rear-wheel
Transmission:	
Forward speeds.....	3
Gear ratio.....	High 1:1; Low 2.94:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 31
Turning radius (ft)	Right 19 3/4; Left 20
Fording depth	(in.) 18
Fuel consumption, loaded	(mpg) 11
Cruising range, loaded	(mi) 192
Allowable speed, recommended	(mph) 60

ENGINE

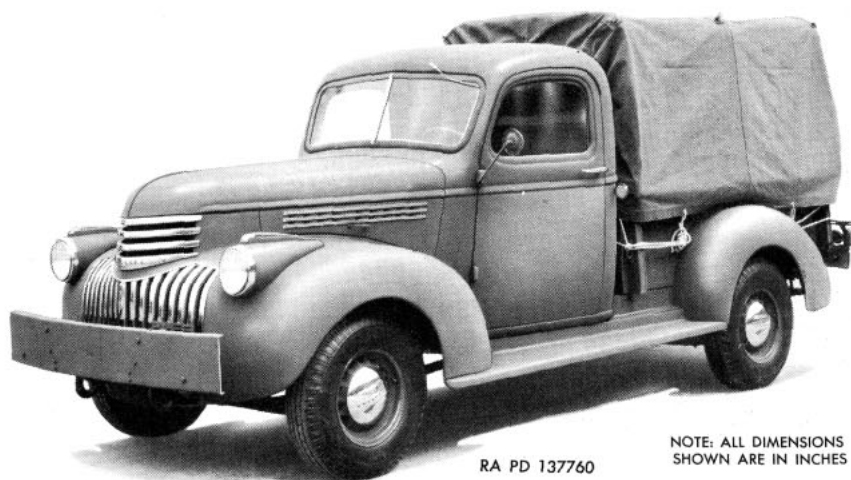
Manufacturer: Chevrolet.....	Model HB or JB
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 216.5
Bore	(in.) 3 1/4
Stroke	(in.) 3 3/4
Compression ratio	6.6:1
Governed speed	not governed
Brake horsepower (max w/std accessories)85 at (rpm) 3,300
Torque (max w/std accessories)	170 lb-ft at (rpm) 1,000-2,000

ADDITIONAL DATA

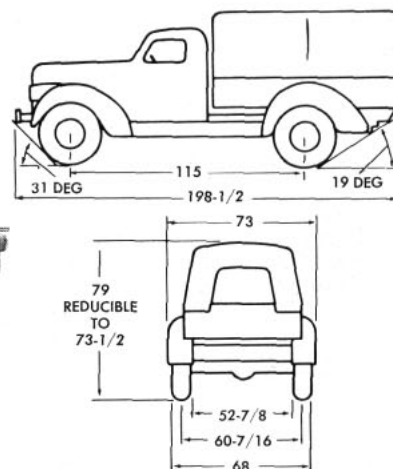
Rear axle, type	hypoid, semifloating
Transmission, type	synchromesh

TRUCK, PICKUP, 1/2-TON, 4 x 2

(Chevrolet, Models KC, 1940; AK, 3104, 1941; BK, 3104, 1942)



RA PD 137760



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Technical Manuals: 10-1251; 10-1305; Supply Catalog: SNL G-612.

Vehicle illustrated: 1941-42, AK, 3104 and BK, 3104.
Classification: Standard.

Purpose: To transport light cargo.

GENERAL DATA

Crew	2
Weight (lb)	Net 3,385; Payload 1,000; Gross 4,385
Rear-axle gear ratio	4.11:1
Axle load (lb):	
Empty	front 1,780; rear 1,605
Loaded	front 1,855; rear 2,530
Tires:	
Ply 6	Size 15 in; Pressure (psi) 36
Tread, center-to-center, front	(in.) 57 3/4
Shipping dimensions, uncrated	(cu ft) 615; (sq ft) 101
Vehicle dimensions:	
Loading height, empty	(in.) 29
Ground clearance	(in.) 8 1/2
Body inside dimensions (in.):	
Length	78
Width	48 1/2
Height:	
Under bows	56
Over flares	16 1/4
Body cargo space	(cu ft) 122
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 18
Cooling system	(qt) 14
Crankcase, refill	(qt) 5
Transmission	(qt) 3 1/4
Rear axle	(qt) 1 3/4
Brakes:	
Manufacturer; Chevrolet	Type; hydraulic
Parking brake, type	rear-wheel
Transmission:	
Forward speeds	3
Gear ratio	High 1:1; Low 2.94:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 25
Turning radius (ft)	right 19 1/2; left 20
Fording depth	(in.) 18
Allowable speed, governed	(mph) 60

ENGINE

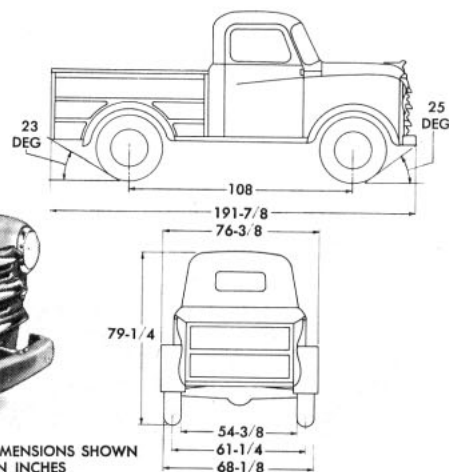
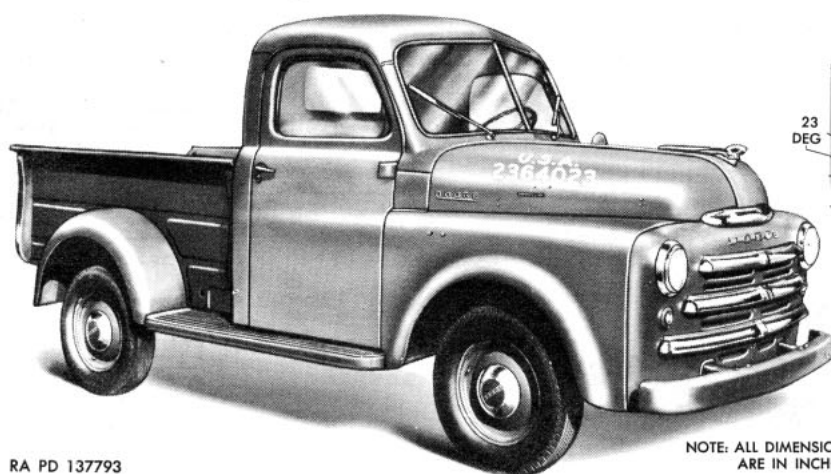
Manufacturer: Chevrolet:	
1941	Model AD or AE-1001 up
1942	Model BD 1001 up
Type	Valve-in-head, 4 cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 216.5
Bore	(in.) 3 1/2
Stroke	(in.) 3 3/4
Compression ratio	6.5:1
Governed speed	(rpm) 3,100
Brake horsepower (max w/std accessories)	81.5 at (rpm) 3,100
Torque (max)	168 lb-ft at (rpm) 1,100

ADDITIONAL DATA

Rear axle, type	hypoid, semi-floating
Transmission, type	synchromesh

TRUCK, PICKUP, 1/2-TON, 4 x 2

(Dodge, Model B1B108)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137793

Classification: Standard.

Purpose: To transport light cargo.

GENERAL DATA

Crew	2; Passengers (including crew) 3
Weight (lb):	
Net.....	3,325
Payload.....	off highway 1,000; on highway 1,275
Gross.....	off highway 4,325; on highway 4,600
Rear-axle gear ratio	4.1:1
Axle load (lb):	
Empty.....	front 2,010; rear 1,315
Loaded:	
Off highway.....	front 2,010; rear 2,315
On highway.....	front 2,010; rear 2,590
Tires:	
Ply 6.....	Size 6.50 x 16; Pressure (psi) 45
Tread, center-to-center, front.....	(in.) 58 3/4
Shipping dimensions, uncrated	(cu ft) 672; (sq ft) 102
Vehicle dimensions (in.):	
Ground clearance.....	8 3/4
Loading height, empty.....	25
Body inside dimensions (in.):	
Length.....	78 1/4
Width.....	49
Height:	
Under bows.....	48
Side panel.....	22 1/4
Cargo space.....	(cu ft) 106
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating	70
Capacities:	
Fuel.....	(gal) 18
Cooling system.....	(qt) 17 1/4
Crankcase, refill.....	(qt) 5
Transmission.....	(qt) 13 1/4
Rear axle.....	(qt) 13 1/4
Brakes:	
Manufacturer: Dodge.....	Type, hydraulic
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	3
Gear ratio.....	High 1:1; Low 3.3:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 33
Turning radius	(ft) 19
Fording depth	(in.) 18
Fuel consumption, loaded	(mpg) 12
Cruising range, loaded	(mi) 216
Allowable speed, recommended	(mph) 61

ENGINE

Manufacturer: Dodge.....	Model T-172
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 217.76
Bore	(in.) 3 1/4
Stroke	(in.) 4 3/4
Compression ratio	6.6:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	82 at (rpm) 3,600
Torque (max w/std accessories)	165 lb-ft at (rpm) 1,200

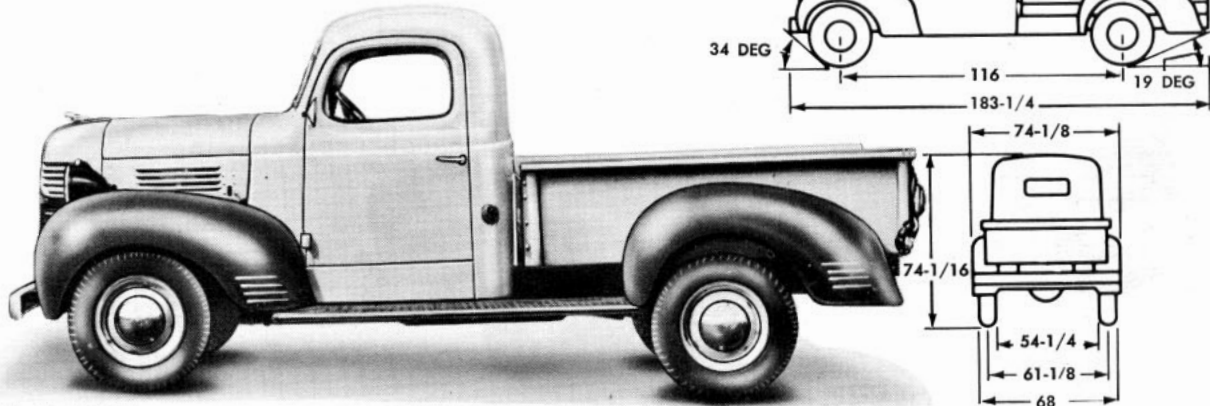
ADDITIONAL DATA

Rear axle, type	hypoid, semifloating
Transmission, type	selective sliding-gear

TRUCK, PICKUP, 1/2-TON, 4 x 2

(Dodge, Model WC, 1947)

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137805

Classification: Standard.

Purpose: To transport light cargo and personnel.

GENERAL DATA

Crew	2
Weight (lb)	Net 3,365; Payload 1,000; Gross 4,365
Rear-axle gear ratio	4.1:1
Axle load (lb):	
Empty	front 1,890; rear 1,475
Loaded	front 1,895; rear 2,470
Tires:	
Ply 6; Size 6.50 x 16; Pressure	(psi) 36
Tread, center-to-center, front	(in.) 55 3/4
Shipping dimensions, uncrated	(cu ft) 594; (sq ft) 96
Vehicle dimensions:	
Ground clearance	(in.) 8 1/16
Loading height, empty	(in.) 25 3/4
Body inside dimensions (in.):	
Length	78
Width	48 1/2
Height:	
Over flares	16 3/4
Under bows	56
Body cargo space	(cu ft) 122
Electrical system	(volts) 6
Type of ground	positive
No. of batteries	1
Fuel octane rating	72
Capacities:	
Fuel	(gal) 18
Cooling system	(qt) 15 1/2
Crankcase, refill	(qt) 5
Transmission	(qt) 13 1/4
Rear axle	(qt) 15 1/2
Brakes:	
Manufacturer: Dodge	Type: hydraulic
Parking brake, type	transmission
Transmission:	
Forward speeds	3
Gear ratio	High 1:1; Low 3.3:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 37
Turning radius (ft)	right 19; left 24
Fording depth	(in.) 32
Fuel consumption, loaded	(mpg) 12
Cruising range, loaded	(mi) 216
Allowable speed, governed	(mph) 64

ENGINE

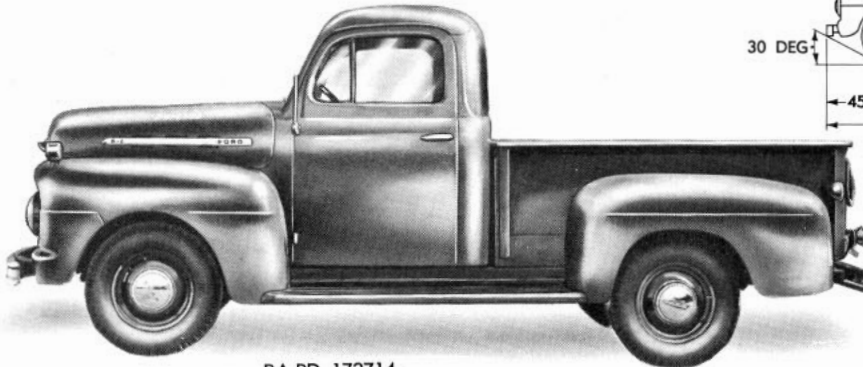
Manufacturer: Dodge	Model T-112
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 217.7
Bore	(in.) 3 3/4
Stroke	(in.) 4 3/8
Compression ratio	6.6:1
Governed speed	(rpm) 3,200
Brake horsepower (max w/std accessories)	85 at (rpm) 3,000
Torque (max)	172 lb-ft at (rpm) 1,200

ADDITIONAL DATA

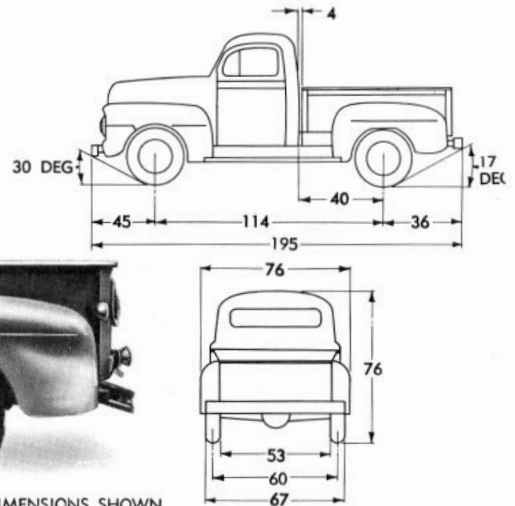
Rear axle, type	hypoid, semifloating
Transmission, type	selective sliding-gear

TRUCK, PICKUP, 1/2-TON, 4 x 2

(Ford, Model F-1)



RA PD 172714



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Classification: Standard.

Purpose: To transport light cargo.

GENERAL DATA

Crew.....	2
Weight (lb).....	Net 3,305; Payload 1,295; Gross 4,600
Rear-axle gear ratio.....	3.92:1
Axle load (lb):	
Empty.....	front 1,905; rear 1,400
Loaded.....	front 2,000; rear 2,600
Tires:	
Ply 6.....	Size 6.50 x 16; Pressure (psi) 36
Tread, center-to-center, front.....	(in.) 58
Shipping dimensions, uncrated.....	(cu ft) 650; (sq ft) 103
Vehicle dimensions:	
Ground clearance.....	(in.) 8 1/2
Loading height.....	(in.) 27
Body inside dimensions (in.):	
Length 78.....	Width 49; Height 20
Cargo space.....	(cu ft) 44
Electrical system.....	(volts) 6
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating.....	72
Capacities:	
Fuel.....	(gal) 20
Cooling system.....	(qt) 23
Crankcase, refill.....	(qt) 5
Transmission.....	(qt) 1 3/4
Rear axles.....	(qt) 1 3/4
Brakes:	
Manufacturer; Ford.....	Type; hydraulic
Parking brake, type.....	rear-wheel
Transmission:	
Forward speeds.....	3
Gear ratio.....	High 1:1; Low 2.819:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....	(percent) 30
Turning radius.....	(ft) 21
Fording depth.....	(in.) 24
Fuel consumption, loaded.....	(mpg) 10
Cruising range, loaded.....	(mi) 200
Allowable speed, recommended.....	(mph) 55

ENGINE

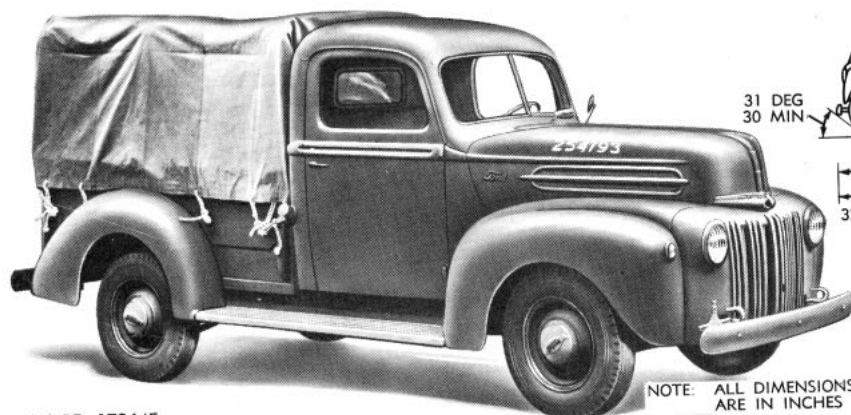
Manufacturer: Ford.....	Model R
Type.....	4-cycle, L-head; No. of cylinders (90-deg V) 8
Displacement.....	(cu in.) 239
Bore.....	(in.) 3 3/16
Stroke.....	(in.) 3 3/4
Compression ratio.....	6.8:1
Governed speed.....	not governed
Brake horsepower (max w/std accessories).....	100 at (rpm) 3,800
Torque (max w/std accessories).....	176 lb-ft at (rpm) 2,000

ADDITIONAL DATA

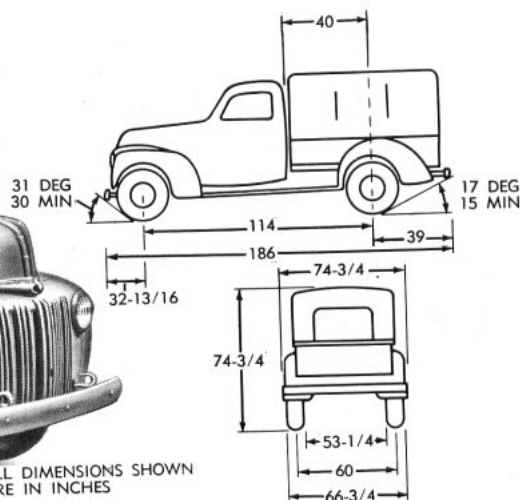
Rear axle, type.....	hypoid, semi-floating
Transmission, type.....	selective sliding-gear

TRUCK, PICKUP, 1/2-TON, 4 x 2

(Ford, Models 2GC, 6-cyl, 1942; 21C, 8-cyl, 1942)



RA PD 172645



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Technical Manuals: 10-1436, 10-1437; Supply Catalog: SNL G-615.

Classification: Standard.

Purpose: To transport light cargo.

GENERAL DATA

Crew	2
Weight (lb): Net	3,290
Payload	off highway 1,000; on highway 1,310
Gross	off highway 4,290; on highway 4,600
Rear-axle gear ratio	3.78:1
Axle load (lb):	
Empty	front 1,700; rear 1,590
Loaded:	
Off highway	front 1,810; rear 2,480
On highway	front 1,840; rear 2,760
Tires:	
Ply 6	Size 6.50 x 16; Pressure (psi) 40
Tread, center-to-center, front	(in.) 58
Shipping dimensions, uncrated	(cu ft) 626; (sq ft) 99
Vehicle dimensions:	
Ground clearance	(in.) 8 5/16
Loading height, empty	(in.) 27
Body inside dimensions (in.):	
Length 78 3/4	Width 49; Height 50
Cargo space	(cu ft) 112
Electrical system	(volts) 6
No. of batteries	1
Type of ground	positive
Fuel octane rating	72
Capacities:	
Fuel	(gal) 19
Cooling system	(qt) 17 1/2
Crankcase, refill	(qt) 5
Transmission	(pt) 2 3/4
Differential	(pt) 2 1/4
Brakes:	
Manufacturer; Ford	type; hydraulic
Parking brake, type	rear-wheel
Transmission:	
Forward speeds	3
Gear ratio	High 1:1; Low 3.11:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 38
Turning radius	(ft) 21
Fording depth	(in.) 24
Fuel consumption, loaded	(mpg) 10
Cruising range, loaded	(mi) 190
Allowable speed, recommended	(mph) 65

ENGINE

Manufacturer: Ford	Model 2GCS
Type	4-cycle, L-head; No. of cylinders (in line) 6
Displacement	(cu in.) 226
Bore	(in.) 3.3
Stroke	(in.) 4.4
Compression ratio	6.7:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	90 at (rpm) 3,300
Torque (max w/std accessories)	180 lb-ft at (rpm) 1,200

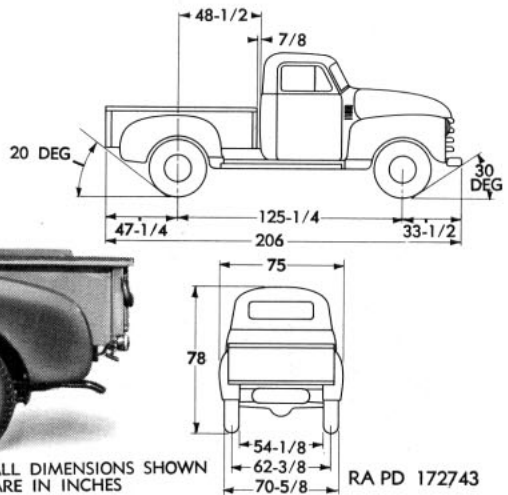
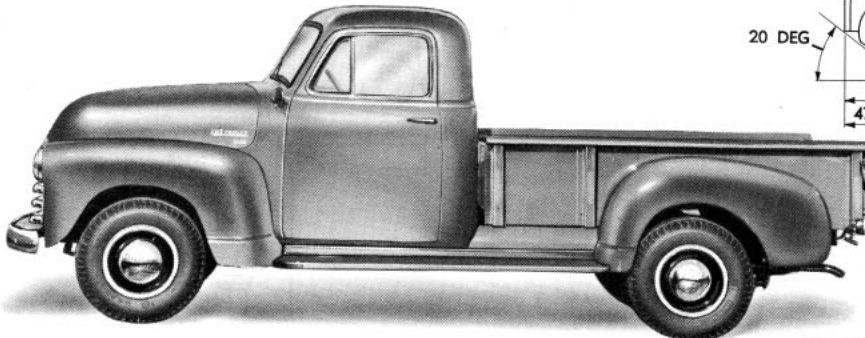
ADDITIONAL DATA

Changes in data for Model 21C, 8 cyl, are as follows:

Capacity:	
Cooling system	(qt) 21 1/2
Engine:	
Manufacturer: Ford	Model 21A
Type	4-cycle, L-head; No. of cylinders (90-deg) V8
Displacement	(cu in.) 221
Bore	3 3/16
Stroke	3 3/4
Compression ratio	6.2:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	90 at (rpm) 3,800
Torque (max w/std accessories)	156 lb-ft at (rpm) 2,000
Data for 4-speed transmission:	
Gear ratio	High 1:1; Fourth 1.69:1; Low 6.4:1
Rear axle, type	spiral-bevel, semifloating
Transmission, type	selective sliding-gear

TRUCK, PICKUP, 3/4-TON, 4 x 2

(Chevrolet, Model 3604)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172743

Classification: Nonclassified.

Purpose: To transport light cargo.

GENERAL DATA

Crew	1; No. Passengers (including crew) 3
Weight (lb):	
Net.....	3,650
Payload.....	1,750
Gross.....	5,400
Rear-axle gear ratio	4.57:1
Axle load (lb):	
Empty.....	front 1,995; rear 1,655
Loaded.....	front 2,140; rear 3,260
Tires:	
Ply 6.....	Size 15-in.; Pressure (psi) front 36; rear 40
Tread, center-to-center, front.....	(in.) 57 1/4
Shipping dimensions, uncrated	(cu ft) 698; (sq ft) 107
Vehicle dimensions:	
Ground clearance.....	(in.) 7 3/4
Loading height, empty.....	(in.) 32
Body inside dimensions (in.):	
Length 87.....	Width 50; Height 16 1/4
Cargo space.....	(cu ft) 41
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 17 1/2
Cooling system (qt).....	w/o heater 15; w/heater 16
Crankcase, refill.....	(qt) 5
Transmission (qt).....	3-speed, 3; 4-speed, 3 3/4
Rear axle.....	(qt) 3
Brakes:	
Manufacturer; Chevrolet.....	Type; hydraulic
Parking brake, type.....	rear-wheel
Transmission:	
Forward speeds.....	3 or 4
Gear ratio.....	High 1:1; Low 2.94:1

PERFORMANCE

Computed grade ability in lowest gear loaded	(percent) 24
Turning radius (ft)	Right 23 3/4; Left 24 3/4
Fording depth	(in.) 18
Fuel consumption, loaded	(mpg) 10
Cruising range, loaded	(mi) 175
Allowable speed, recommended	(mph) 60

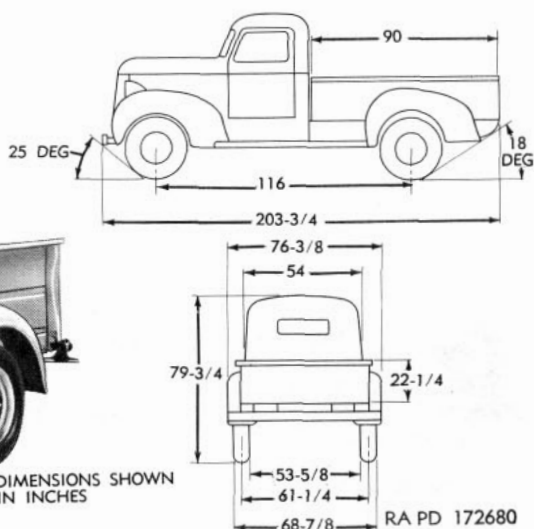
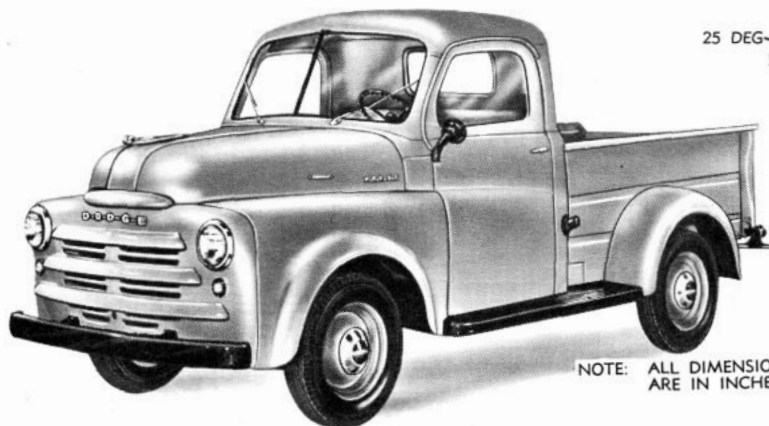
ENGINE

Manufacturer: Chevrolet.....	Model HB or JB
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 216.5
Bore	(in.) 3 1/2
Stroke	(in.) 3 3/4
Compression ratio	6.6:1
Governed speed	not governed
Brake horsepower (max w/std accessories)85 at (rpm) 3,300
Torque (max w/std accessories)	170 lb-ft at (rpm) 1,000-2,000

ADDITIONAL DATA

Rear axle, type	hypoid, full-floating
Transmission, type	synchromesh
This vehicle also comes equipped with 7.00 x 17 tires.	

TRUCK, PICKUP, 3/4-TON, 4 x 2 (Dodge, Model B1C116)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Classification: Nonclassified.

Purpose: To transport light cargo.

GENERAL DATA

Crew	2; Passengers (including crew) 3
Weight (lb):	
Net.....	3,475
Payload.....	off highway 1,500; on highway 1,500
Gross.....	off highway 4,975; on highway 4,975
Rear-axle gear ratio	4.1:1
Axle load (lb):	
Empty.....	front 2,075; rear 1,400
Loaded:	
Off highway.....	front 2,090; rear 2,885
On highway.....	front 2,090; rear 2,885
Tires:	
Ply 6.....	Size 7.00 x 15; Pressure (psi) 40
Tread, center-to-center, front.....	(in.) 58 1/2
Shipping dimensions, uncrated	(cu ft) 718; (sq ft) 108
Vehicle dimensions:	
Ground clearance.....	(in.) 8 3/4
Loading height, empty.....	(in.) 30 3/4
Body inside dimensions (in.):	
Length.....	90
Width.....	54
Height:	
Under bows.....	47
Side panel.....	22 1/4
Cargo space.....	(cu ft) 132
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating	70
Capacities:	
Fuel.....	(gal) 18
Cooling system.....	(qt) 17 1/2
Crankcase, refill.....	(qt) 5
Transmission	(qt) 13 1/2
Rear axle	(qt) 13 1/2
Brakes:	
Manufacturer: Dodge.....	Type; hydraulic
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	3
Gear ratio.....	High 1:1; Low 3.3:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 29
Turning radius	(ft) 20
Fording depth	(in.) 18
Fuel consumption, loaded	(mpg) 9
Cruising range	(mi) 162
Allowable speed, recommended	(mph) 62

ENGINE

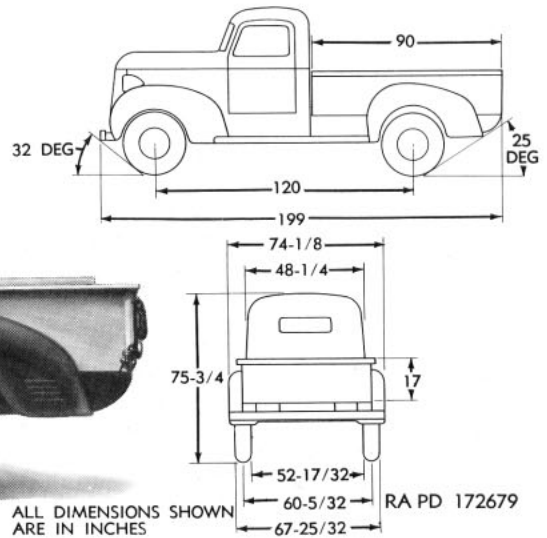
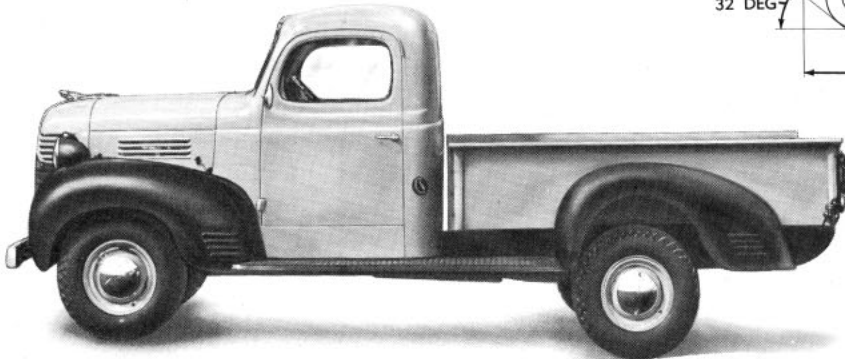
Manufacturer: Dodge.....	Model T-144
Type	L-head, 4 cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 217.76
Bore	(in.) 3 1/4
Stroke	(in.) 4 3/8
Compression ratio	6.6:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	82 at (rpm) 3,200
Torque (max)	164 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Rear axle, type	hypoid, semifloating
Transmission, type	selective sliding-gear

TRUCK, PICKUP, 3/4-TON, 4 x 2

(Dodge, Model WD-15, 1947)



Classification: Nonclassified.

Purpose: To transport light cargo.

GENERAL DATA

Crew	2; Passengers (including crew) 3
Weight (lb):	
Net.....	3,200
Payload.....	off highway 1,500; on highway 1,500
Gross.....	off highway 4,700; on highway 4,700
Rear-axle gear ratio	4.1:1
Axle load (lb):	
Empty.....	front 1,800; rear 1,400
Loaded:	
Off highway.....	front 1,800; rear 2,900
On highway.....	front 1,800; rear 2,900
Tires:	
Ply 6.....	Size 7.00 x 15; Pressure (psi) 40
Tread, center-to-center, front.....	(in.) 55 5/16
Shipping dimensions, uncrated	(cu ft) 647; (sq ft) 103
Vehicle dimensions:	
Ground clearance.....	(in.) 8 3/4
Loading height, empty.....	(in.) 31 1/8
Body inside dimensions (in.):	
Length.....	90
Width.....	48 3/4
Height:	
Under bows.....	42 1/2
Side panel.....	17
Cargo space.....	(cu ft) 107
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating	70
Capacities:	
Fuel.....	(gal) 18
Cooling system.....	(qt) 17
Crankcase, refill.....	(qt) 5
Transmission.....	(qt) 13 3/4
Rear axle.....	(qt) 1 3/4
Brakes:	
Manufacturer; Dodge.....	Type; hydraulic
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	3
Gear ratio.....	High 1:1; Low 3.3:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 30
Turning radius (ft)	Right 21; Left 27
Fording depth	(in.) 18
Fuel consumption, loaded	(mpg) 9
Cruising range, loaded	(mi) 162
Allowable speed, recommended	(mph) 62

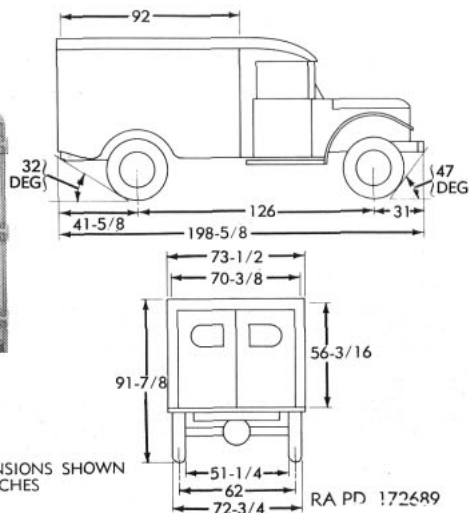
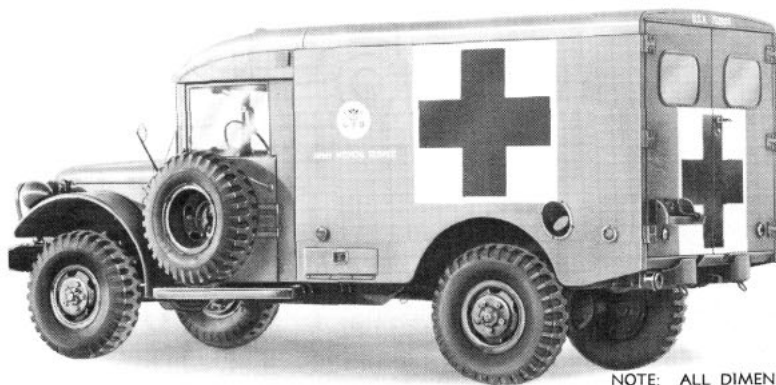
ENGINE

Manufacturer; Dodge.....	Model T-114
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 217.76
Bore	(in.) 3 1/4
Stroke	(in.) 4 3/4
Compression ratio	6.6:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	80 at (rpm) 3,200
Torque (max)	162 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Rear axle, type	hypoid, semifloating
Transmission, type	selective sliding-gear

TRUCK, AMBULANCE, 3/4-TON, 4 x 4, M43



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Technical Manuals: 9-840, 9-1825A, 9-1825B, 9-1826A, 9-1828A, 9-1829A, 9-1840A, 9-1840B; Supply Catalog: SNL G-741.

Classification: Standard.

Purpose: To transport sick and wounded personnel.

GENERAL DATA

Crew	2
Weight (lb)	Net 7,150; Payload 1,400; Gross 8,550
Live-axle gear ratio	5.83:1
Axle load (lb):	
Empty	front 3,300; rear 3,850
Loaded	front 3,460; rear 5,090
Tires:	
Ply 8	Size 9.00 x 16; Pressure (psi) 40
Tread, center-to-center, front	(in.) 62
Shipping dimensions, uncrated	(cu ft) 790; (sq ft) 103.5
Vehicle dimensions:	
Ground clearance	(in.) 10 3/4
Loading height, empty	(in.) 34
Electrical system	(volts) 24
No. of batteries	2
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 24
Cooling system, w/o heater	(qt) 17
Crankcase, refill	(qt) 5
Transmission	(qt) 2 1/2
Transfer	(qt) 1 1/2
Axles	(each) (qt) 3
Brakes:	
Manufacturer; Dodge	Type; hydraulic
Parking brake, type	transfer
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 6.4:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 1.96:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 27
Fuel consumption	(mpg) 9
Cruising range, loaded	(mi) 215
Allowable speed, governed	(mph) 55

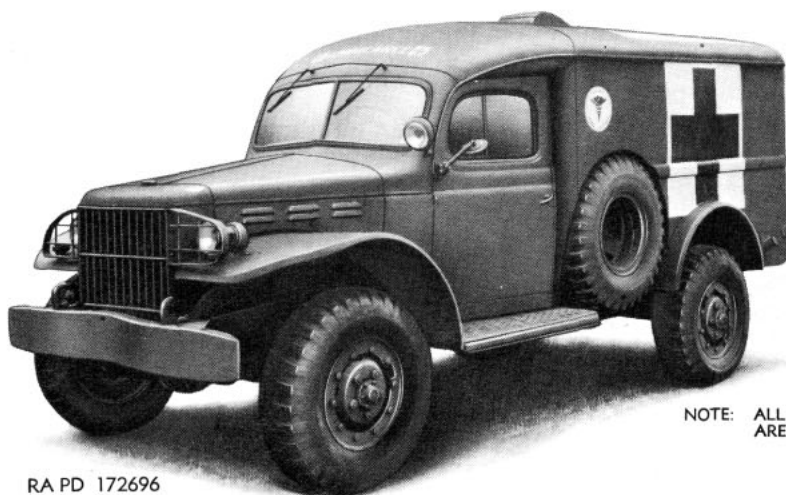
ENGINE

Manufacturer; Dodge	Model T-245
Type	4-cycle, L-head; No. of cylinders (in line) 6
Displacement	(cu in.) 230.2
Bore	(in.) 3 1/4
Stroke	(in.) 4 3/4
Compression ratio	6.7:1
Governed speed	(rpm) 3,400
Brake horsepower (max w/std accessories)	78 at (rpm) 3,200
Torque (max w/std accessories)	177 lb-ft at (rpm) 1,200

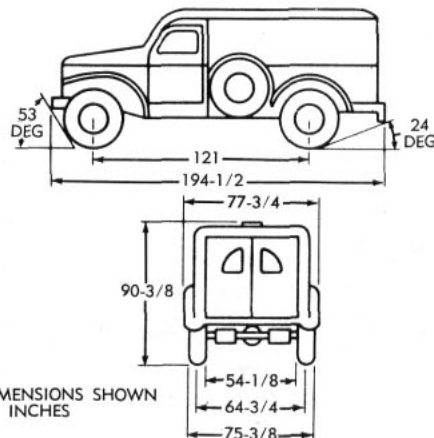
ADDITIONAL DATA

4-litter, insulated body	
Live axles, type	hypoid, full-floating
Transmission, type	synchromesh

TRUCK, AMBULANCE, 3/4-TON, 4 x 4 (Dodge, Model WC54, T214)



RA PD 172696



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-808; 9-1808A; 9-1808B; Supply Catalog: SNL G-502.

Classification: Limited Standard.

Purpose: To transport sick and wounded personnel.

GENERAL DATA

Crew	2
Passengers in addition to crew:	
Litter patients.....	4
Or sitting patients.....	7
Weight (lb)	Net 5,920; Payload 1,800; Gross 7,720
Live-axle gear ratio	5.83:1
Axle load (lb):	
Empty.....	front 2,740; rear 3,180
Loaded.....	front 2,980; rear 4,740
Tires:	
Ply 8.....	Size 9.00 x 16; Pressure (psi) 40
Tread, center-to-center, front.....	(in.) 64 3/4
Shipping dimensions, uncrated	(cu ft) 791; (sq ft) 105
Vehicle dimensions:	
Ground clearance.....	(in.) 10 3/4
Loading height, empty.....	(in.) 30
Pintle height (in.).....	loaded 24; empty 28
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 30
Cooling system.....	(qt) 17
Crankcase, refill.....	(qt) 5
Transfer.....	(qt) 2
Transmission.....	(qt) 3
Axles (each).....	(qt) 2 1/2
Brakes:	
Manufacturer; Dodge.....	Type; hydraulic
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	4
Gear ratio.....	High 1:1; Low 6.40:1
Transfer:	
Speeds.....	1
Gear ratio.....	1:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 52
Turning radius	(ft) 26
Fording depth	(in.) 34
Fuel consumption, loaded	(mpg) 8
Cruising range, loaded	(mi) 240
Allowable speed, governed	(mph) 54
Maximum recommended towed load:	
Off highway, gross.....	(lb) 1,000
On highway, gross.....	(lb) 4,000

ENGINE

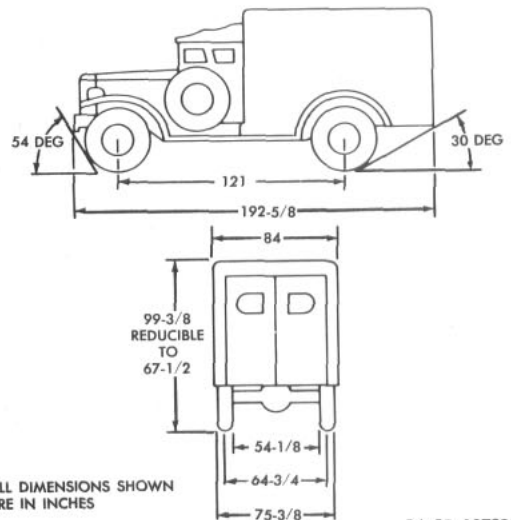
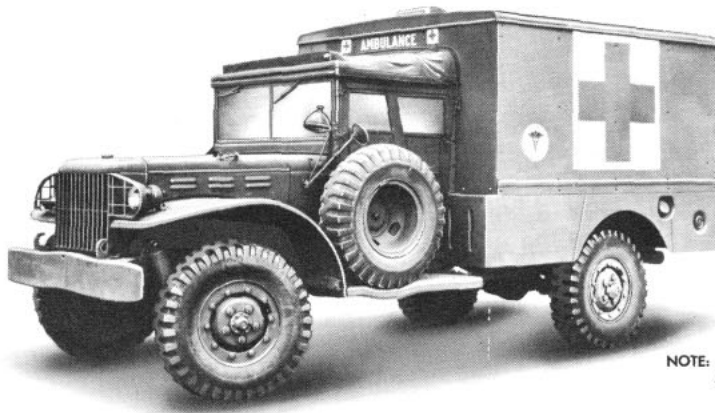
Manufacturer: Dodge.....	Model T-214
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 230.2
Bore	(in.) 3 1/4
Stroke	(in.) 4 1/2
Compression ratio	6.7:1
Governed speed	(rpm) 3,200
Brake horsepower (max w/std accessories)	76 at (rpm) 3,200
Torque (max)	180 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Live Axles, type	hypoid, full-floating
Transmission, type	selective sliding-gear
SS Body used on some World War II vehicles when rebuilt.	

TRUCK, AMBULANCE, 3/4-TON, 4 x 4, (KD)

(Dodge, Model WC 64, T214)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137838

Technical Manuals: 9-808; 9-1808A; 9-1808B; Supply Catalog: SNL G-502.

Classification: Limited Standard.

Purpose: To transport sick and wounded personnel.

GENERAL DATA

Crew	2; Passengers (including crew) 6
Weight (lb)	Net 7,000; Payload 1,500; Gross 8,500
Live-axle gear ratio	5.83:1
Axle load (lb):	
Empty	front 2,895; rear 4,105
Loaded	front 2,935; rear 5,565
Tires:	
Ply 8	Size 9.00 x 16; Pressure (psi) 40
Tread, center-to-center, front	(in.) 64 3/4
Shipping dimensions, uncrated	(cu ft) 917; (sq ft) 111
Vehicle dimensions:	
Ground clearance	(in.) 10 1/2
Pintle height, empty	(in.) 28
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 30
Cooling system	(qt) 17
Crankcase, refill	(qt) 5
Transfer	(qt) 2
Transmission	(qt) 3
Axles (each)	(qt) 2 1/2
Brakes:	
Manufacturer: Dodge	Type; hydraulic
Parking, brake, type	transmission
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 6.40:1
Transfer:	
Speeds	1
Gear ratio	1:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 46
Turning radius	(ft) 26
Fording depth	(in.) 34
Fuel consumption, loaded	(mpg) 8
Cruising range, loaded	(mi) 240
Allowable speed, governed	(mph) 54
Maximum recommended towed load:	
Off highway, gross	(lb) 1,000
On highway, gross	(lb) 4,000

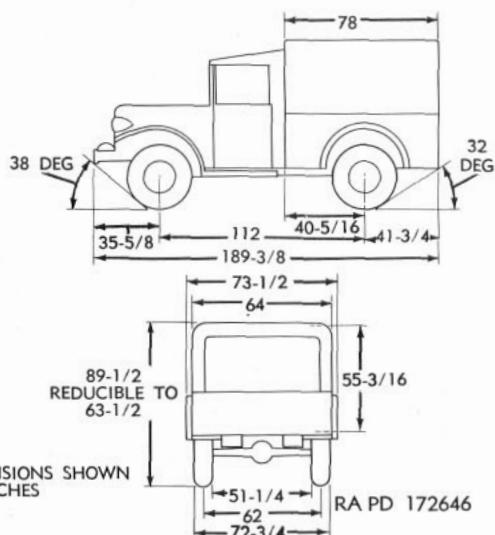
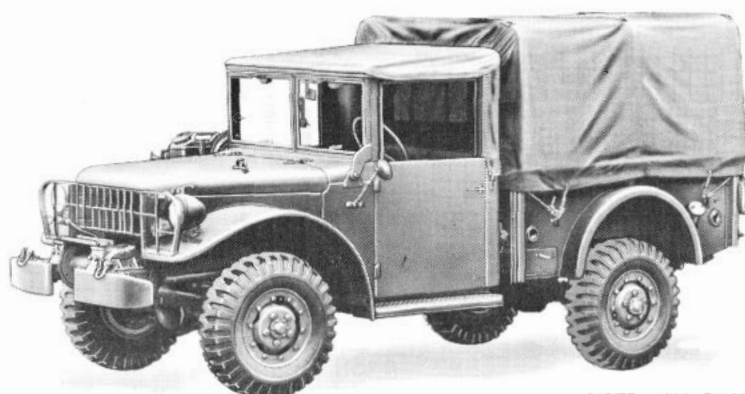
ENGINE

Manufacturer: Dodge	Model T-214
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 230.2
Bore	(in.) 3 1/4
Stroke	(in.) 4 5/8
Compression ratio	6.7:1
Governed speed	(rpm) 3,200
Brake horsepower (max w/std accessories)	76 at (rpm) 3,200
Torque (max)	180 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Live Axles, type	hypoid, full-floating
Transmission, type	selective sliding-gear
SS Body used on some World War II vehicles when rebuilt.	

TRUCK, CARGO, 3/4-TON, 4 x 4, M37, W/ AND W/O WINCH (Dodge)



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Technical Manuals: 9-840, 9-1840A, 9-1480B; 9-1825A, 9-1825B, 9-1826A, 9-1828A, 9-1829A, Supply Catalog: SNL G-741.

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb):	
Net	5,917
Payload w/crew	off highway 1,500; on highway 2,000
Gross	off highway 7,417; on highway 7,917
Live-axle gear ratio	5.83:1
Axle load (lb):	
Empty	front 3,251; rear 2,666
Loaded:	
Off highway	front 3,251; rear 4,166
On highway	front 3,251; rear 4,666
Tires:	
Ply 8	Size 9.00 x 16; Pressure (psi) 45
Tread, center-to-center, front	(in.) 62
Shipping dimensions, uncrated:	
W/winch	(cu ft) 515; (sq ft) 97
W/o winch	(cu ft) 503; (sq ft) 95
Vehicle dimensions (in.):	
Ground clearance	10 3/4
Pinle height, empty	25 1/4
Loading height, empty	29 3/4
Body inside dimensions:	
Length 78	Width 64; Height 55 3/16
Body cargo space	(cu ft) 160
Electrical system	
No. of batteries	(volts) 24
Type of ground	(12-volt) 2
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 24
Cooling system	(qt) 25
Crankcase, refill	(qt) 5
Transmission (qt)	w/power take-off 5 1/4
Transfer	w/o power take-off 4 1/2
Axles	(qt) 2 1/2
Winch	(each) (qt) 3
Oil capacity (qt) 1; load capacity (lb) 7,500	
Brakes:	
Manufacturer; Dodge	Type; hydraulic
Parking brake, type	transfer

Purpose: To transport general cargo.

GENERAL DATA—Continued

Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 6.4:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 1.96:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 25
Fording depth	complete submergence
Fuel consumption, loaded	(mpg) 9
Cruising range, loaded	(mi) 215
Allowable speed, governed	(mph) 55
Maximum recommended towed load	(lb) 4,000

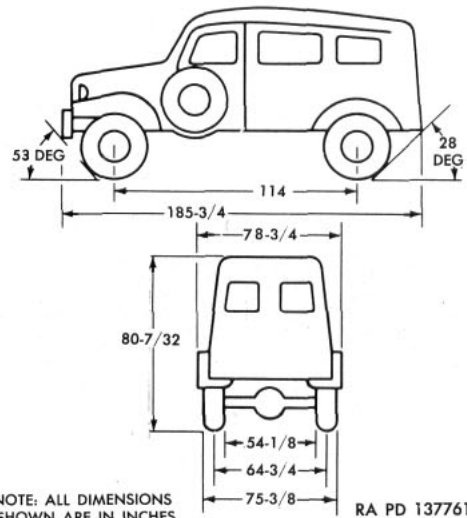
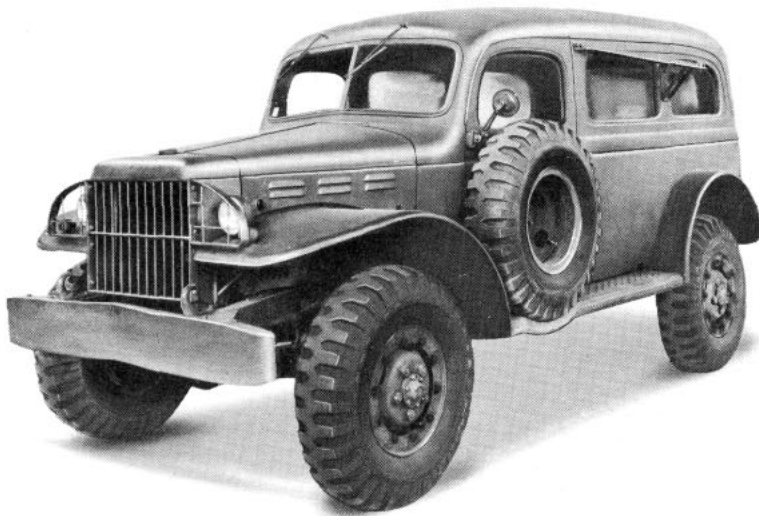
ENGINE

Manufacturer: Dodge	Model T-245
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 230.2
Bore	(in.) 3 1/4
Stroke	(in.) 4 5/8
Compression ratio	6.7:1
Governed speed	(rpm) 3,200
Brake horsepower (max w/ std accessories)	78 at (rpm) 3,200
Torque (max w/ std accessories)	177 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Live Axles, type	hypoid, full-floating
Transmission, type	synchromesh
Data given for vehicle w/winch. Changes in data for vehicles w/o winch are as follows:	
Length, over-all	(in.) 184 3/4
Weight (lb):	
Net	5,687
Gross	off highway 7,187; on highway 7,687
Axle load (lb):	
Empty	front 2,981; rear 2,706
Loaded:	
Off highway	front 2,981; rear 4,206
On highway	front 2,981; rear 4,706

TRUCK, CARRYALL, 3/4-TON, 4 x 4 (Dodge, Model WC53, T-214)



NOTE: ALL DIMENSIONS
SHOWN ARE IN INCHES

RA PD 137761

Technical Manuals: 9-808; 9-1808A; 9-1808B; 9-1829A; Supply Catalog: SNL G-502.

Classification: Limited Standard.

Purpose: To transport personnel and light cargo.

GENERAL DATA

Crew	2; Passengers (including crew) 7
Weight (lb)	Net 5,750; Payload 1,800; Gross 7,550
Live-axle gear ratio	5.83:1
Axle load (lb):	
Empty	front 2,875; rear 2,875
Loaded	front 3,130; rear 4,420
Tires:	
Ply 8	Size 9.00 x 16; Pressure (psi) front 40; rear 40
Tread, center-to-center, front	(in.) 64 3/4
Shipping dimensions, uncrated	(cu ft) 678; (sq ft) 102
Vehicle dimensions:	
Ground clearance	(in.) 10 3/4
Loading height, empty	(in.) 29
Electrical system	(volts) 12
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 30
Cooling system	(qt) 17
Crankcase, refill	(qt) 5
Transfer case	(qt) 2
Transmission	(qt) 3
Axles (each)	(qt) 2 1/2
Brakes:	
Manufacturer; Dodge	Type; hydraulic
Parking brake, type	transmission
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 6.40:1
Transfer:	
Speeds	1
Gear ratio	1:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 53
Turning radius (ft)	right 25; left 25
Fording depth	(in.) 34
Fuel consumption, loaded	(mpg) 8
Cruising range, loaded	(mi) 240
Allowable speed, governed	(mph) 54

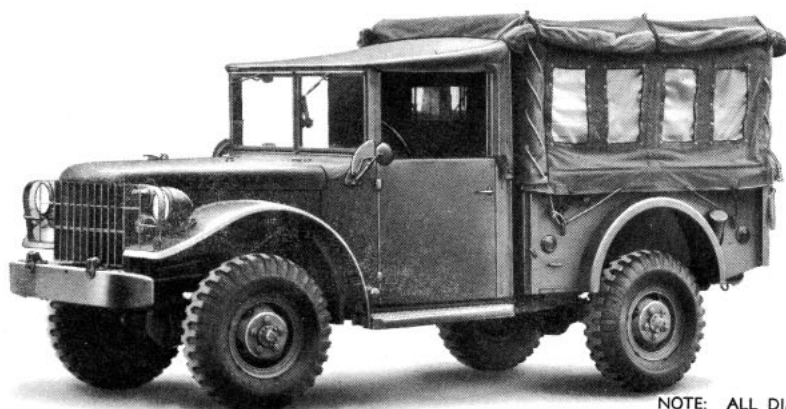
ENGINE

Manufacturer;	Dodge	Model T-214
Type	L-head, 4-cycle; No. of cylinders (in line) 6	
Displacement	(cu in.) 230.2	
Bore	(in.) 3 1/4	
Stroke	(in.) 4 5/8	
Compression ratio	6.7:1	
Governed speed	(rpm) 3,200	
Brake horsepower (max w/std accessories)	76 at (rpm) 3,200	
Torque (max)	180 lb-ft at (rpm) 1,200	

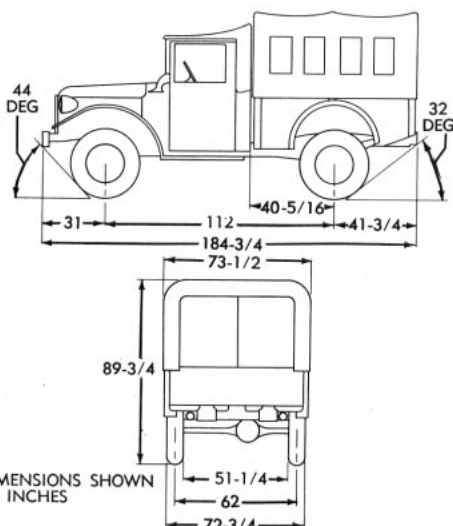
ADDITIONAL DATA

Live axles, type	hypoid, full-floating
Transmission, type	selective sliding gear
Body inside dimensions (cargo space) (in.):	
Length 92	Width 58 3/4; Height 50 3/4

TRUCK, COMMAND, 3/4-TON, 4 x 4, M42



RA PD 172653



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-840, 9-1825A, 9-1825B, 9-1826A, 9-1828A, 9-1829A, 9-1840A, 9-1840B; Supply Catalog: SNL G-741.

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 6,050; Payload 1,500; Gross 7,550
Live-axle gear ratio	5.83:1
Axle load (lb):	
Empty	front 3,000; rear 3,050
Loaded	front 3,175; rear 4,375
Tires:	
Ply 8	Size 9.00 x 16; Pressure (psi) 40
Tread, center-to-center, front	(in.) 62
Shipping dimensions, uncrated	(cu ft) 695; (sq ft) 93½
Vehicle dimensions:	
Ground clearance	(in.) 10¾
Pintle height, empty	(in.) 25¼
Loading height, empty	(in.) 33
Body inside dimensions (in.):	
Length	78
Width	64
Height	53¾
Cargo space	(cu ft) 155
Electrical system	(volts) 24
No. of batteries	2
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 24
Cooling system, w/o heater	(qt) 17
Crankcase, refill	(qt) 5
Transmission	(qt) 2½
Transfer	(qt) 1½
Axles (each)	(qt) 3
Brakes:	
Manufacturer: Dodge	Type; hydraulic
Parking brake, type	transfer
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Third 1.69:1; Low 6.4:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 1.96:1

Purpose: To transport command and reconnaissance personnel and light cargo.

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 25
Fording depth	(in.) 84
Fuel consumption, loaded	(mpg) 9
Cruising range, loaded	(mi) 215
Allowable speed, governed	(mph) 55
Maximum recommended towed load	(lb) 4,000

ENGINE

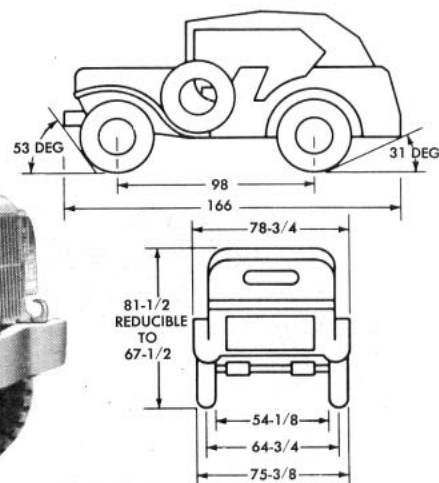
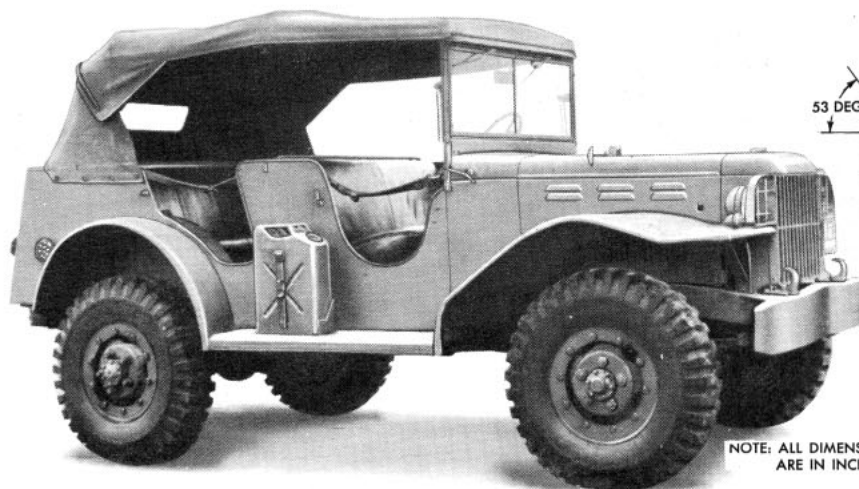
Manufacturer: Dodge	Model T-245
Type	4-cycle, L-head; No. of cylinders (in line) 6
Displacement	(cu in.) 230.2
Bore	(in.) 3¼
Stroke	(in.) 4¾
Compression ratio	6.7:1
Governed speed	(rpm) 3,400
Brake horsepower (max w/std accessories)	78 at (rpm) 3,200
Torque (max w/std accessories)	177 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Live Axles, type	hypoid, full-floating
Transmission, type	synchromesh

TRUCK, COMMAND RECONNAISSANCE, 3/4-TON, 4 x 4

(Dodge, Model WC56, T214)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137862

Technical Manuals: 9-808; 9-1808A; 9-1808B; Supply Catalog: SNL G-502.

Classification: Limited Standard.

Purpose: To transport command and reconnaissance personnel in the field.

GENERAL DATA

Crew	2; Passengers (including crew) 5
Weight (lb)	Net 5,375; Payload 1,800; Gross 7,175
Live-axle gear ratio	5.83:1
Axle load (lb):	
Empty.....	front 2,635; rear 2,740
Loaded.....	front 2,710; rear 4,465
Tires:	
Ply 8.....	Size 9.00 x 16; Pressure (psi) 40
Tread, center-to-center, front.....	(in.) 64 3/4
Shipping dimensions, uncrated	(cu ft) 616; (sq ft) 91
Vehicle dimensions:	
Ground clearance.....	(in.) 10 3/4
Pintle height:	
Loaded.....	(in.) 25
Empty.....	(in.) 27
Electrical system	(volts) 12
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 30
Cooling system.....	(qt) 17
Crankcase, refill.....	(qt) 5
Transfer.....	(qt) 2
Transmission.....	(qt) 3
Axles (each).....	(qt) 2 1/2
Brakes:	
Manufacturer: Dodge.....	Type; hydraulic
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	4
Gear ratio.....	High 1:1; Low 6.40:1
Transfer:	
Speeds.....	1
Gear ratio.....	1:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 56
Turning radius	(ft) 22
Fording depth	(in.) 34
Fuel consumption, loaded	(mpg) 8
Cruising range, loaded	(mi) 240
Allowable speed, governed	(mph) 54
Maximum recommended towed load:	
Off highway, gross.....	(lb) 1,000
On highway, gross.....	(lb) 4,000

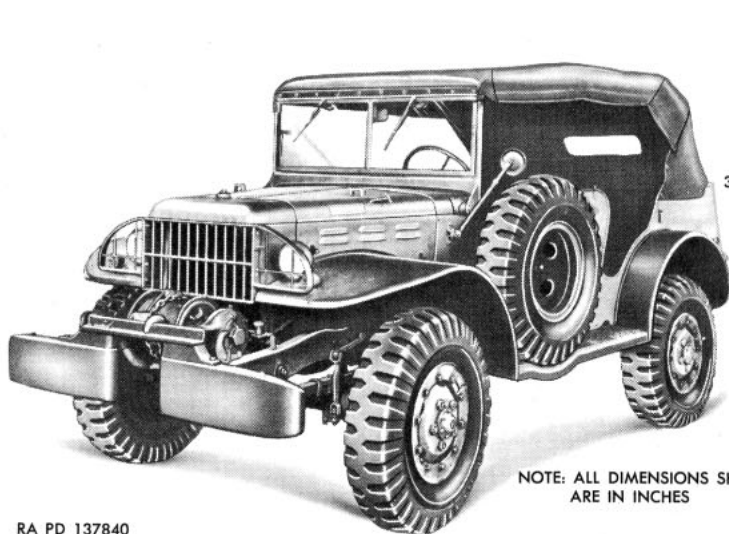
ENGINE

Manufacturer: Dodge.....	Model T214
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 230.2
Bore	(in.) 3 1/4
Stroke	(in.) 4 5/8
Compression ratio	6.7:1
Governed speed	(rpm) 3,200
Brake horsepower (max w/std accessories)	76 at (rpm) 3,200
Torque (max)	180 lb-ft at (rpm) 1,200

ADDITIONAL DATA

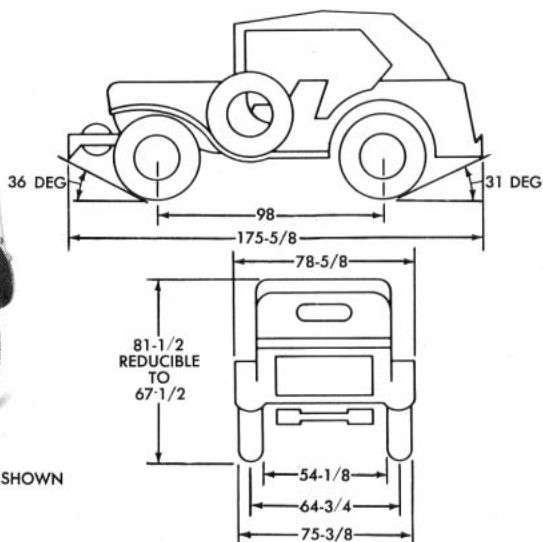
Live axles, type	hypoid, full-floating
Transmission, type	selective sliding-gear

TRUCK, COMMAND RECONNAISSANCE, 3/4-TON, 4 x 4, W/WINCH (Dodge, Model WC57, T214)



RA PD 137840

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



Technical Manuals: 9-808; 9-1808A; 9-1808B; Supply Catalog: SNL G-502.

Classification: Limited Standard.

Purpose: To transport command and reconnaissance personnel in the field.

GENERAL DATA

Crew	2; Passengers (including crew) 5
Weight (lb)	Net 5,675; Payload 1,800; Gross 7,475
Live-axle gear ratio	5.83:1
Axle load (lb):	
Empty	front 2,995; rear 2,680
Loaded	front 3,075; rear 4,400
Tires:	
Ply 8	Size 9.00 x 16; Pressure (psi) 40
Tread, center-to-center, front	(in.) 64 3/4
Shipping dimensions, uncrated	(cu ft) 651; (sq ft) 96
Vehicle dimensions:	
Ground clearance	(in.) 10 3/8
Pintle height:	
Loaded	(in.) 24
Empty	(in.) 27
Electrical system	(volts) 12
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 30
Cooling system	(qt) 17
Crankcase, refill	(qt) 5
Transfer	(qt) 2
Transmission w/power take-off	(qt) 3 3/4
Axles (each)	(qt) 2 1/2
Winch:	
Oil capacity	(qt) 1
Load capacity	(lb) 5,000
Brakes:	
Manufacturer; Dodge	Type; hydraulic
Parking brake, type	transmission
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 6.40:1
Transfer:	
Speeds	1
Gear ratio	1:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 54
Turning radius	(ft) 22
Fording depth	(in.) 34
Fuel consumption, loaded	(mpg) 8
Cruising range, loaded	(mi) 240
Allowable speed, governed	(mph) 54
Maximum recommended towed load:	
Off highway, gross	(lb) 1,000
On highway, gross	(lb) 4,000

ENGINE

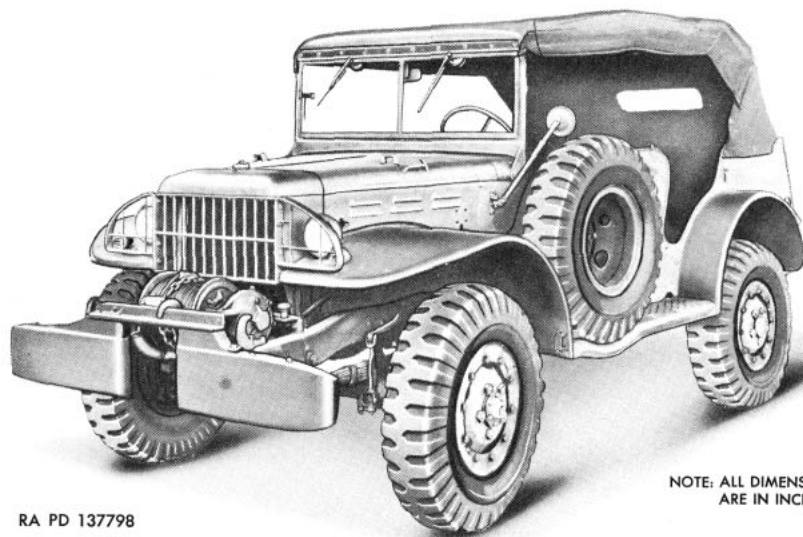
Manufacturer: Dodge	Model T-214
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 230.2
Bore	(in.) 3 3/4
Stroke	(in.) 4 9/16
Compression ratio	6.7:1
Governed speed	(rpm) 3,200
Brake horsepower (max w/std accessories)	76 at (rpm) 3,200
Torque (max)	180 lb-ft at (rpm) 1,200

ADDITIONAL DATA

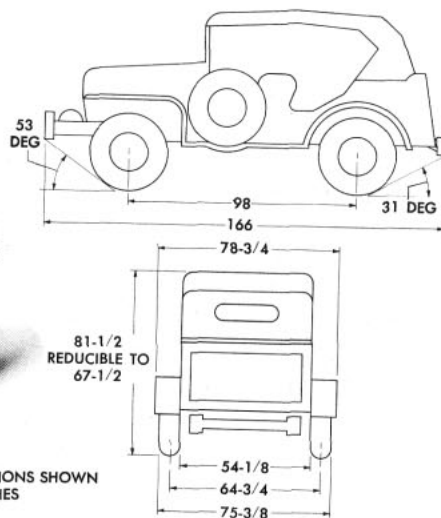
Live axles, type	hypoid, full-floating
Transmission, type	selective sliding-gear

TRUCK, COMMAND RECONNAISSANCE, 3/4-TON, 4 x 4, W/RADIO

(Dodge, Model WC58, T214)



RA PD 137798



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-808, 9-1808A, 9-1808B; Supply Catalog: SNL G-502.

Classification: Limited Standard.

Purpose: To transport command and reconnaissance personnel.

GENERAL DATA

Crew	2; Passengers (including crew) 5
Weight (lb)	Net 5,375; Payload 1,800; Gross 7,175
Live-axle gear ratio	5.83:1
Axle load (lb):	
Empty	front, 2,635; rear 2,740
Loaded	front 2,710; rear 4,465
Tires:	
Ply 8	Size 9.00 x 16; Pressure (psi) 40
Tread, center-to-center, front	(in.) 64 3/4
Shipping dimensions, uncrated	(cu ft) 616; (sq ft) 91
Vehicle dimensions:	
Ground clearance	(in.) 10 3/4
Pintle height, empty	(in.) 27
Electrical system	(volts) 12
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 30
Cooling system	(qt) 17
Crankcase, refill	(qt) 5
Transmission	(qt) 3
Transfer	(qt) 2
Axles (each)	(qt) 2 1/2
Brakes:	
Manufacturer; Dodge	Type; hydraulic
Parking brake, type	transmission
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 6.4:1
Transfer:	
Speeds	1
Gear ratio	1:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 56
Turning radius	(ft) 22
Fording depth	(in.) 34
Fuel consumption, loaded	(mpg) 8
Cruising range, loaded	(mi) 240
Allowable speed, governed	(mph) 54
Maximum recommended towed load:	
Off highway, gross	(lb) 1,000
On highway, gross	(lb) 4,000

ENGINE

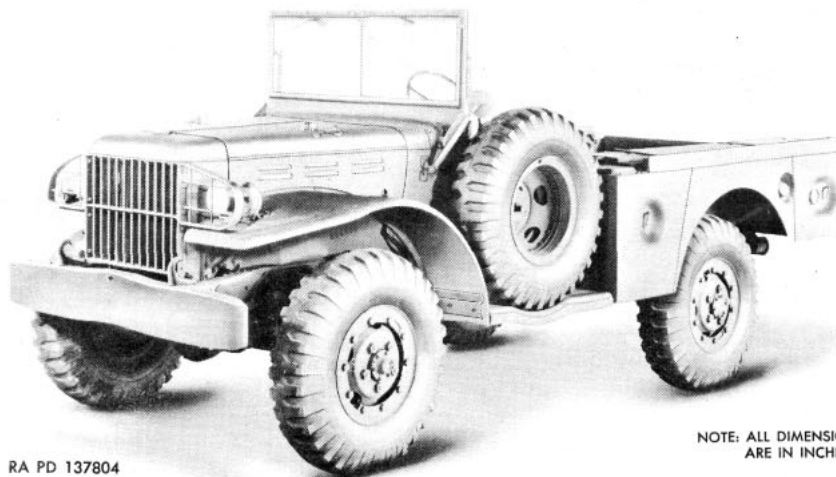
Manufacturer: Dodge	Model T-214
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 230.2
Bore	(in.) 3 3/4
Stroke	(in.) 4 3/4
Compression ratio	6.7:1
Governed speed	(rpm) 3,200
Brake horsepower (max w/std accessories)	76 at (rpm) 3,200
Torque (max)	180 lb-ft at (rpm) 1,200

ADDITIONAL DATA

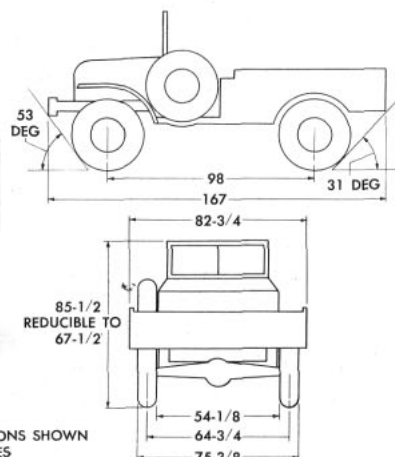
Live axles, type	hypoid, full-floating
Transmission, type	selective sliding gear

TRUCK, WEAPONS CARRIER, 3/4-TON, 4 x 4 (6-VOLT) AND (12-VOLT)

(Dodge, Model WC51, T214)



RA PD 137804



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-808; 9-1808A; 9-1808B; Supply Catalog: SNL G-502.

Classification: Limited Standard.

Purpose: To transport weapons, tools, equipment, and personnel.

GENERAL DATA

Crew	2; Passengers (including crew) 10
Weight (lb)	Net 5,645; Payload 1,800; Gross 7,445
Live-axle gear ratio	5.83:1
Axle load (lb):	
Empty	front 2,785; rear 2,860
Loaded	front 2,825; rear 4,620
Tires:	
Ply 8	Size 9.00 x 16; Pressure (psi) 40
Tread, center-to-center, front	(in.) 64 3/4
Shipping dimensions, uncrated	(cu ft) 684; (sq ft) 96
Vehicle dimensions:	
Loading height, empty	(in.) 33 3/8
Ground clearance	(in.) 10 3/4
Pintle height (in.)	loaded 24; empty 26
Body inside dimensions (in.):	
Length 72	Width 48 3/4; Height, under bows 49 1/2
Cargo space	(cu ft) 100
Electrical system	(volts) 6 or 12
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 30
Cooling system	(qt) 17
Crankcase, refill	(qt) 5
Transfer	(qt) 2
Transmission	(qt) 3
Axles (each)	(qt) 2 1/2
Brakes:	
Manufacturer; Dodge	Type; hydraulic
Parking brake, type	transmission
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 6.40:1
Transfer speeds	1
Gear ratio	1:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 56
Turning radius	(ft) 22
Fording depth	(in.) 34
Fuel consumption, loaded	(mpg) 8
Cruising range, loaded	(mi) 240
Allowable speed, governed	(mph) 54
Maximum recommended towed load:	
Off highway, gross	(lb) 1,000
On highway, gross	(lb) 4,000

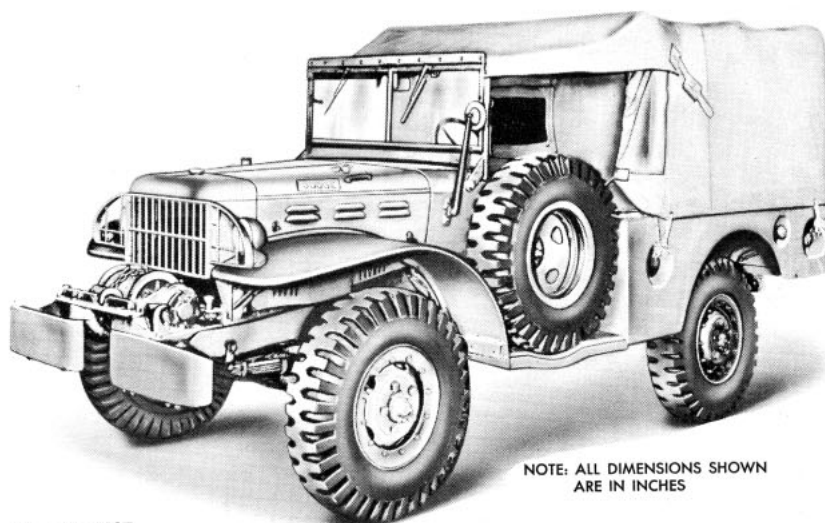
ENGINE

Manufacturer; Dodge	Model T214
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 230.2
Bore	(in.) 3 1/4
Stroke	(in.) 4 1/2
Compression ratio	6.7:1
Governed speed	(rpm) 3,200
Brake horsepower (max w/std accessories)	76 at (rpm) 3,200
Torque (max)	180 lb-ft at (rpm) 1,200

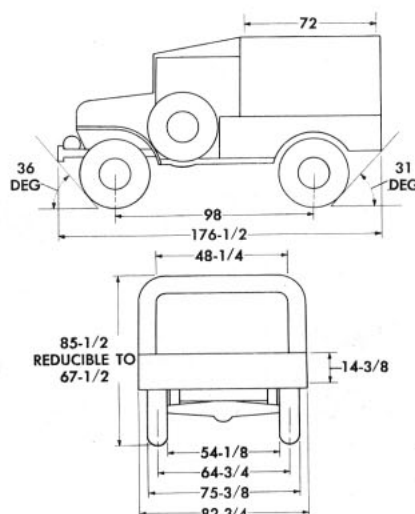
ADDITIONAL DATA

Live axles, type	hypoid, full-floating
Transmission, type	selective sliding-gear

TRUCK, WEAPONS CARRIER, $\frac{3}{4}$ -TON, 4 x 4, (6-VOLT) AND (12-VOLT) W/WINCH



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137807

Technical Manuals: 9-808; 9-1808A; 9-1808B; Supply Catalog: SNL G-502.

Classification: Limited Standard.

Purpose: To transport weapons, tools, equipment, and personnel.

GENERAL DATA

Crew	2; Passengers (including crew) 10
Weight (lb)	Net 5,940; Payload 1,800; Gross 7,740
Live-axle gear ratio	5.83:1
Axle load (lb):	
Empty	front 3,145; rear 2,795
Loaded	front 3,185; rear 4,555
Tires:	
Ply 8	Size 9.00 x 16; Pressure (psi) 40
Tread, center-to-center, front	(in.) 64 $\frac{3}{4}$
Shipping dimensions, uncrated	(cu ft) 723; (sq ft) 102
Vehicle dimensions:	
Ground clearance	(in.) 10 $\frac{3}{4}$
Loading height, empty	(in.) 34
Pintle height (in.)	loaded 24; empty 26
Body inside dimensions (in.)	
Length 72	Width 48 $\frac{3}{4}$; Height, under bows 49 $\frac{1}{2}$
Body cargo space	(cu ft) 1,000
Electrical system	(volts) 6 or 12
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 30
Cooling system	(qt) 17
Crankcase, refill	(qt) 5
Transfer	(qt) 2
Transmission w/power take-off	(qt) 3 $\frac{1}{2}$
Winch	Oil capacity (qt) 1; Load capacity (lb) 5,000*
Brakes:	
Manufacturer: Dodge	Type: hydraulic
Parking brake, type	transmission
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 6.40:1
Transfer:	
Speeds	1
Gear ratio	1:1

*Last production equipped w/7,500-lb cap winch.

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 54
Turning radius (ft)	Right 22; Left 22
Fording depth	(in.) 34
Fuel consumption, loaded	(mpg) 8
Cruising range, loaded	(mi) 240
Allowable speed, governed	(mph) 54
Maximum recommended towed load:	
Off highway, gross	(lb) 1,000
On highway, gross	(lb) 4,000

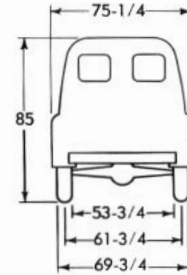
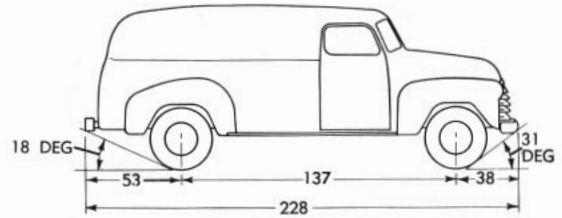
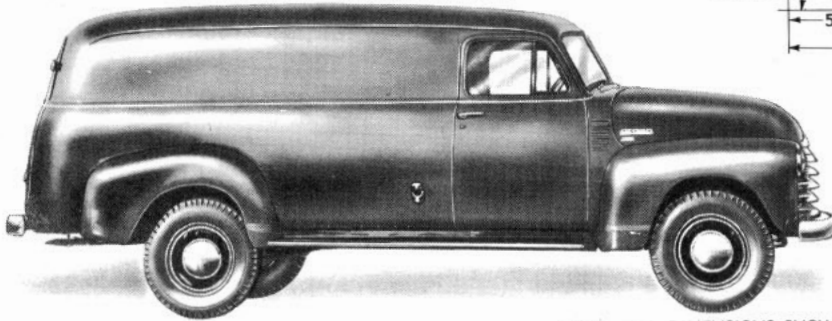
ENGINE

Manufacturer: Dodge	Model T214
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 230.2
Bore	(in.) 3 $\frac{1}{4}$
Stroke	(in.) 4 $\frac{5}{8}$
Compression ratio	6.7:1
Maximum governed speed	(rpm) 3,200
Brake horsepower (max w/std accessories)	76 at (rpm) 3,200
Torque (max)	180 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Live axles, type	hypoid, full-floating
Transmission	selective sliding-gear

TRUCK, PANEL, 1-TON, 4 x 2 (Chevrolet, Model 3805)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172719

Classification: Nonclassified.

Purpose: To transport light cargo.

GENERAL DATA

Crew	2
Weight (lb)	Net 4,505; Payload 2,495; Gross 7,000
Rear-axle gear ratio	5.14:1
Axle load (lb):	
Empty	front 2,155; rear 2,350
Loaded	front 2,440; rear 4,560
Tires:	
Ply 8	Size 7.50 x 17; Pressure—(psi) front 40; rear 60
Tread, center-to-center, front	(in.) 56 3/4
Shipping dimensions, uncrated	(cu ft) 845; (sq ft) 119
Vehicle dimensions:	
Ground clearance	(in.) 9 3/4
Loading height, empty	(in.) 34
Body inside dimensions (in.):	
Length	108 3/4; Width 62 3/4; Height 51 3/4
Cargo space	(cu ft) 203
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 18
Cooling system	(qt) 15
Crankcase, refill	(qt) 5
Transmission	(qt) 3
Rear axle	(qt) 3
Brakes:	
Manufacturer; Chevrolet	Type; hydraulic
Parking brake, type	rear-wheel
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 7.06:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 57
Turning radius	(ft) 26
Fording depth	(in.) 21
Fuel consumption, loaded	(mpg) 10
Cruising range, loaded	(mi) 180
Allowable speed, recommended	(mph) 55

ENGINE

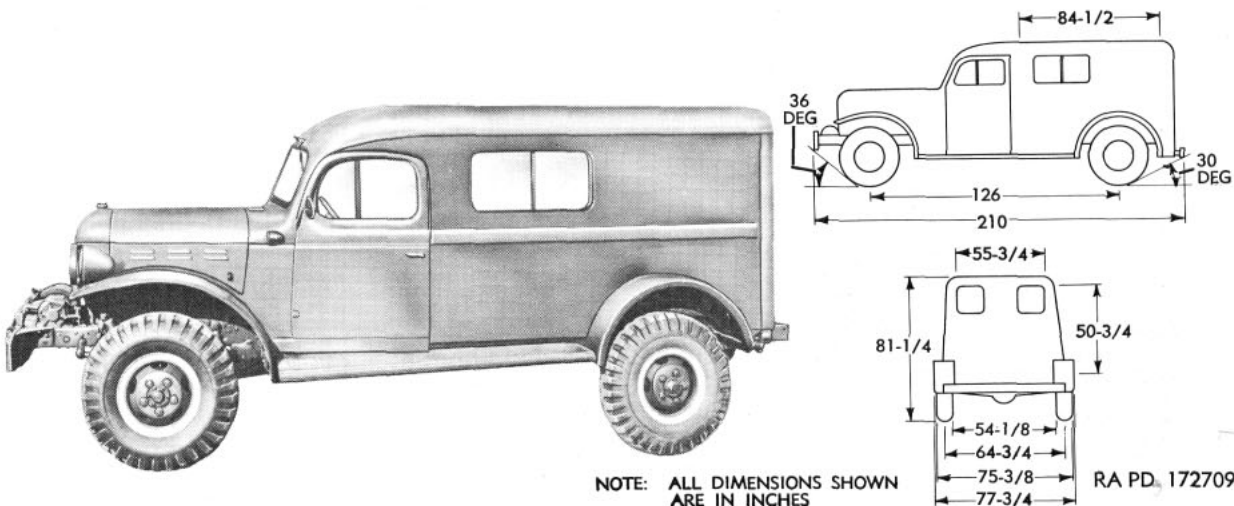
Manufacturer: Chevrolet	Model AJC
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 216.5
Bore	(in.) 3 1/2
Stroke	(in.) 3 3/4
Compression ratio	6.6:1
Governed speed	not governed
Brake horsepower, gross	92 at (rpm) 3,400
Torque, maximum gross	176 lb-ft at (rpm) 1,000-2,000

ADDITIONAL DATA

Rear axle, type	hypoid, full-floating
Transmission	synchromesh

TRUCK, CARRYALL, 1-TON, 4 x 4

Dodge, Model B1PW26 w/Gerstenslager body



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD. 172709

Classification: Nonclassified.

Purpose: To transport personnel and light cargo.

GENERAL DATA

Crew	2 Passengers (including crew) 8
Weight (lb)	Net 5,500; Payload 1,775; Gross 7,275
Live-axle gear ratio	5.83:1
Axle load (lb):	
Empty.....	front 3,225; rear 2,275
Loaded.....	front 3,375; rear 3,900
Tires:	
Ply 8.....	Size 9.00 x 16; Pressure (psi) 45
Tread, center-to-center, front.....	(in.) 64 3/4
Shipping dimensions, uncrated	(cu ft) 768; (sq ft) 114
Vehicle dimensions:	
Ground clearance.....	(in.) 10 3/4
Pintle height, empty.....	(in.) 27
Loading height, empty.....	(in.) 35
Body inside dimensions (in.):	
Length 84 1/2.....	Width 55 3/4; Height 50 3/4
Body cargo space.....	(cu ft) 138
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 30
Cooling system.....	(qt) 17
Crankcase, refill.....	(qt) 5
Transmission.....	(qt) 3
Transfer.....	(qt) 1 1/2
Axles (each).....	(qt) 3
Brakes:	
Manufacturer; Dodge.....	Type; hydraulic
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	4
Gear ratio.....	High 1:1; Low 6.40:1
Transfer:	
Speeds.....	2
Gear ratio.....	High 1:1; Low 1.96:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 27 1/2
Fording depth	(in.) 34
Fuel consumption, loaded	(mpg) 9
Cruising range, loaded	(mi) 240
Allowable speed (governed)	(mph) 54
Maximum recommended towed load:	
Off highway, gross.....	(lb) 1,000
On highway, gross.....	(lb) 4,000

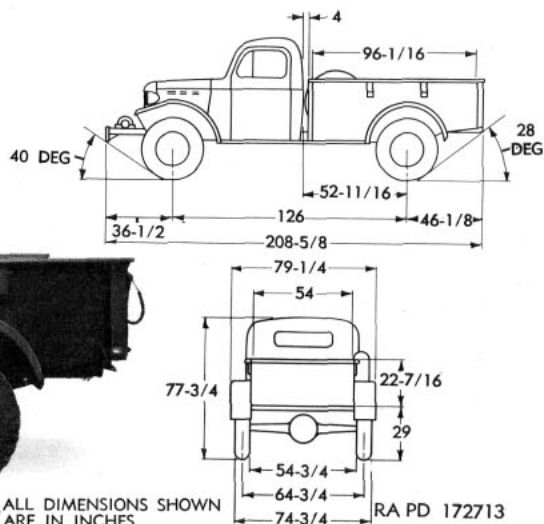
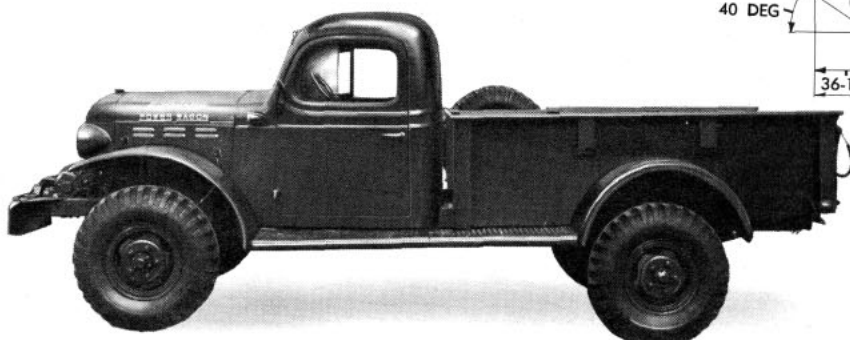
ENGINE

Manufacturer: Dodge.....	Model T-137
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 230.2
Bore	(in.) 3 1/4
Stroke	(in.) 4 3/4
Compression ratio	6.7:1
Governed speed	(rpm) 3,200
Brake horsepower (max w/std accessories)	76 at (rpm) 3,200
Torque (max)	180 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Live axles, type	hypoid, full-floating
Transmission, type	selective sliding-gear

TRUCK, PICKUP, 1-TON, 4 x 4, W/WINCH (Dodge, Model B2PW126, 1950)



Classification: Nonclassified.

GENERAL DATA

Crew	2
Weight (lb) Net	5,295
Payload.....	off highway 2,000; on highway 3,405
Gross.....	off highway 7,295; on highway 8,700
Live-axle gear ratio	5.83:1
Axle load (lb):	
Empty.....	front 3,155; rear 2,150
Loaded:	
Off highway.....	front 3,215; rear 4,080
On highway.....	front 3,255; rear 5,445
Tires:	
Ply 8.....	Size 9.00 x 16; Pressure (psi) 55
Tread, center-to-center, front.....	(in.) 64 3/4
Shipping dimensions, uncrated	(cu ft) 745; (sq ft) 115
Vehicle dimensions:	
Ground clearance.....	(in.) 10 3/4
Loading height, empty.....	(in.) 29
Body inside dimensions (in.): Length 96 1/16.....	Width 54; Height 22 7/16
Cargo space.....	(cu ft) 68
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 18
Cooling system.....	(qt) 17
Crankcase, refill.....	(qt) 5
Transmission w/PTO.....	(qt) 3
Transfer.....	(qt) 1 1/2
Axles (each).....	(qt) 3
Winch:	
Oil capacity.....	(qt) 1
Load capacity.....	(lb) 5,000
Brakes:	
Manufacturer; Dodge.....	Type; hydraulic
Parking brake, type.....	transfer
Transmission:	
Forward speeds.....	4
Gear ratio.....	High 1:1; Low 6.4:1
Transfer:	
Speeds.....	2
Gear ratio.....	High 1:1; Low 1.96:1

Purpose: To transport light cargo.

PERFORMANCE

Computed grade ability in lowest gear w/off-highway load	(percent) 65
Turning radius	(ft) 27 1/2
Fording depth	(in.) 28
Fuel consumption, loaded	(mpg) 8
Cruising range, loaded	(mi) 144
Allowable speed, governed	(mph) 55

ENGINE

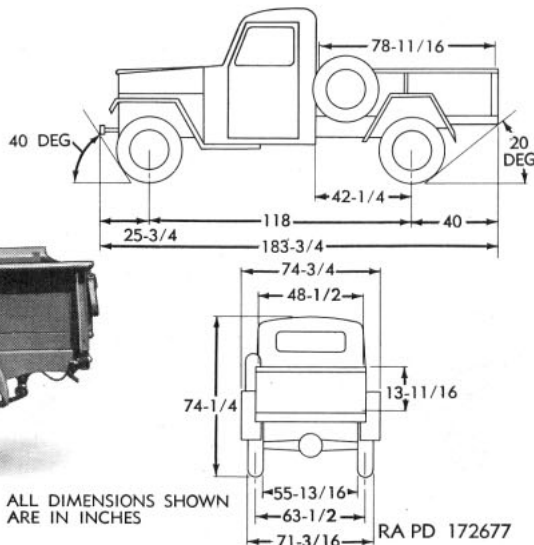
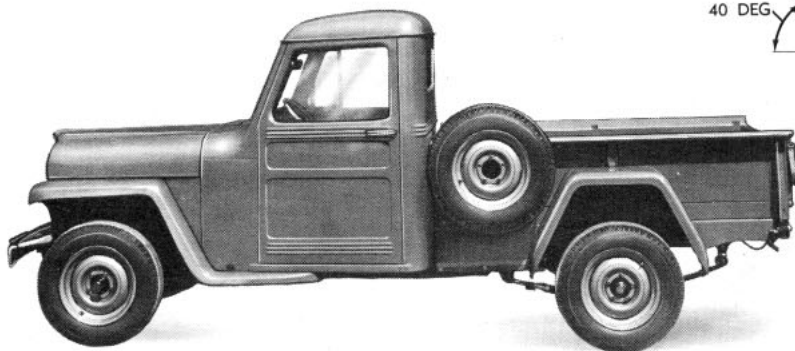
Manufacturer; Dodge.....	Model T-137
Type	4-cycle, L-head; No. of cylinders (in line) 6
Displacement	(cu in.) 230.2
Bore	(in.) 3 1/4
Stroke	(in.) 4 5/8
Compression ratio	6.7:1
Governed speed	(rpm) 3,200
Brake horsepower (max w/std accessories)94 at (rpm) 3,200
Torque (max w/std accessories)	186 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Live axles, type	hypoid, full-floating
Transmission, type	synchromesh

TRUCK, PICKUP, 1-TON, 4 x 4

(Willys, Model 4-73-4WD, 1950)



Classification: Nonclassified.

GENERAL DATA

Crew	2; Passengers (including crew) 3
Weight (lb)	Net 3,240; Payload (on highway) 2,060; Gross 5,300
Axle gear ratio	5.38:1
Axle load (lb):	
Empty.....	front 1,655; rear 1,585
Loaded.....	front 1,700; rear 3,750
Tires:	
Ply 6.....	Size 7.00 x 16; Pressure (psi) front 30; rear 45
Tread, center-to-center, front.....	(in.) 57
Shipping dimensions, uncrated	(cu ft) 591; (sq ft) 96
Vehicle dimensions:	
Ground clearance.....	(in.) 9 3/4
Loading height, empty.....	(in.) 28 3/4
Pintle height, empty.....	(in.) 23 1/4
Body inside dimensions (in.):	
Length.....	78 5/8
Width.....	48 1/4
Height:	
Under bows.....	44 1/4
Side panel.....	13 3/4
Cargo space.....	(cu ft) 98
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	70
Capacities:	
Fuel.....	(gal) 15
Cooling system (qt).....	w/o heater 11; w/heater 12
Transmission.....	(qt) 1 1/2
Transfer.....	(qt) 1 3/4
Axles (qt).....	front 1 1/4; rear 1 1/2
Winch.....	Oil capacity (qt) 1/2; Load capacity (lb) 6,000
Brakes:	
Manufacturer; Bendix.....	Type; hydraulic
Parking brake, type.....	rear-wheel
Transmission:	
Forward speeds.....	3
Gear ratio.....	High 1:1; Low 2.80:1
Transfer:	
Speeds.....	2
Gear ratio.....	High 1:1; Low 2.43:1

Purpose: To transport light cargo.

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 41
Turning radius	(ft) 25
Fording depth	(in.) 18
Fuel consumption, loaded	(mpg) 17
Cruising range, loaded	(mi) 255
Allowable speed, governed	(mph) 60

ENGINE

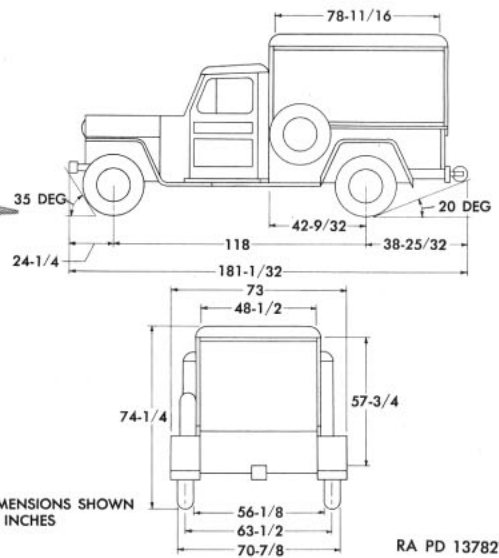
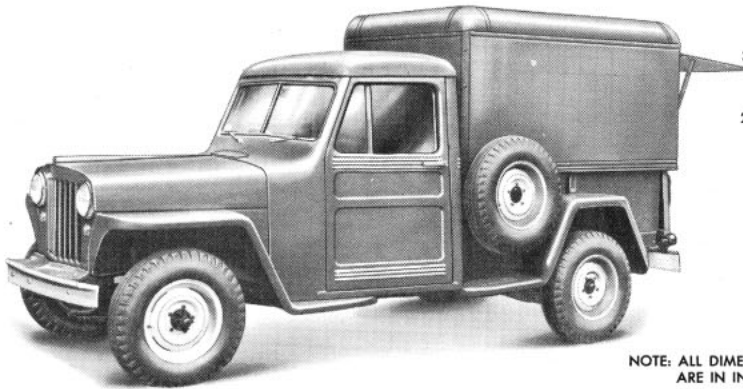
Manufacturer: Willys.....	Model 473-4WD
Type	F-head, 4-cycle; No. of cylinders (in line) 4
Displacement	(cu in.) 134.2
Bore	(in.) 3 1/8
Stroke	(in.) 4 3/8
Compression ratio	7.4:1
Governed speed	(rpm) 3,700
Brake horsepower (max w/std accessories)64 at (rpm) 4,000
Torque (max)	114 lb-ft at (rpm) 2,000

ADDITIONAL DATA

Live axles, type	hypoid, full-floating
Transmission, type	synchromesh

TRUCK, VAN, 1-TON, 4 x 4

(Willys, Model 4WD)



RA PD 137827

Classification: Nonclassified.

Purpose: To transport general cargo.

GENERAL DATA

Crew.....2; Passengers (including crew) 3
Weight (lb).....Net 3,286; Payload (on highway) 2,014; Gross 5,300
Axle gear ratio.....5.38:1
Axle load (lb):
 Empty.....front 1,649; rear 1,637
 Loaded.....front 1,806; rear 3,494
Tires:
 Ply 6.....Size 7.00 x 16; Pressure (psi) front 30; rear 45
 Tread, center-to-center, front.....(in.) 57
Shipping dimensions, uncrated.....(cu ft) 570; (sq ft) 92
Vehicle dimensions:
 Ground clearance.....(in.) 9 3/4
 Loading height, empty.....(in.) 28 3/4
 Pintle height, empty.....(in.) 23 1/2
 Body inside dimensions (in.):
 Length.....78 3/4; Width 48 1/2; Height 57
 Cargo space.....(cu ft) 126
Electrical system.....(volts) 6
 No. of batteries.....1
 Type of ground.....negative
Fuel octane rating.....68
Capacities:
 Fuel.....(gal) 15
 Cooling system (qt).....w/o heater 11; w/heater 12
 Crankcase, refill.....(qt) 4
 Transmission.....(qt) 1 1/2
 Transfer.....(qt) 2
 Axles (qt).....front 1 1/4; rear 1 1/2
Brakes:
 Manufacturer; Bendix.....Type; hydraulic
 Parking brake, type.....rear-wheel
Transmission:
 Forward speeds.....3
 Gear ratio.....High 1:1; Low 2.798:1
Transfer:
 Speeds.....2
 Gear ratio.....High 1:1; Low 2.43:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....(percent) 48
Turning radius.....(ft) 25
Fuel consumption, loaded.....(mpg) 16
Cruising range, loaded.....(mi) 240
Allowable speed, governed.....(mph) 55
Maximum recommended towed load on highway, gross.....(lb) 1,500

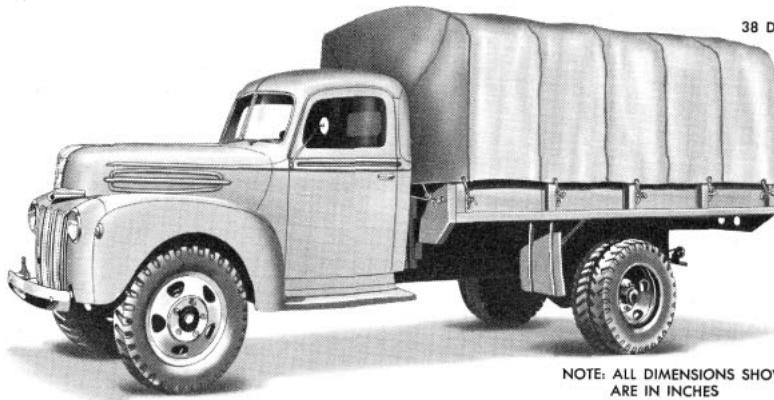
ENGINE

Manufacturer: Willys.....Model 4 WD
Type.....L-head, 4-cycle; No. of cylinders (in line) 4
Displacement.....(cu in.) 134.2
Bore.....(in.) 3 3/4
Stroke.....(in.) 4 3/4
Compression ratio.....6.48:1
Governed speed.....(rpm) 3,700
Brake horsepower (max w/std accessories).....51 at (rpm) 4,000
Torque (max).....105 lb-ft at (rpm) 2,000

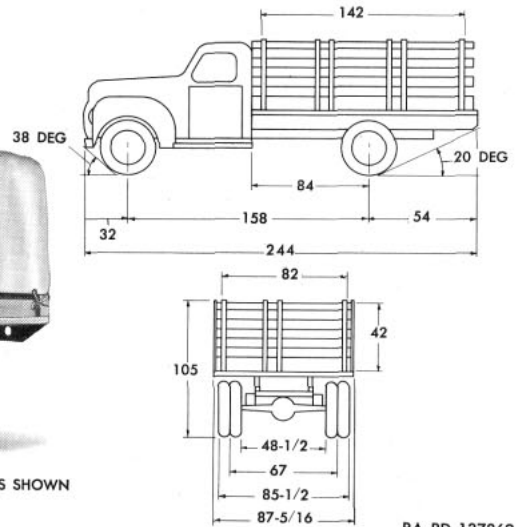
ADDITIONAL DATA

Live axles, type.....hypoid, full-floating
Transmission.....synchromesh

TRUCK, CARGO, 1½-TON, 4 x 2 (Ford, Model 2G8T, 6-Cyl, 1942)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137869

Technical Manuals: 9-806, 9-1806A, 9-1806B; Supply Catalog: SNL G-540.

Classification: Nonclassified.

Purpose: To transport general cargo.

GENERAL DATA

Crew.....	2
Weight (lb).....	Net 5,138
Payload.....	off highway 3,140; on highway 7,362
Gross.....	off highway 8,278; on highway 12,500
Rear-axle gear ratio.....	6.67:1
Axle load (lb):	
Empty.....	front 2,338; rear 2,800
Loaded:	
Off highway.....	front 2,448; rear 5,830
On highway.....	front 2,600; rear 9,900
Tires:	
Ply 8.....	Size 7.50 x 20; Pressure (psi) 55
Tread, center-to-center, front.....	(in.) 56½
Shipping dimensions, uncrated.....	(cu ft) 1,360; (sq ft) 155
Vehicle dimensions:	
Ground clearance.....	(in.) 9¼
Loading height, empty.....	(in.) 43¾
Pintle height, empty.....	(in.) 25¾
Body inside dimensions (in):	
Length.....	142
Width.....	82
Height:	
Under bows.....	57
Side rack.....	42
Cargo space.....	(cu ft) 385
Electrical system.....	(volts) 6
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating.....	72
Capacities:	
Fuel.....	(gal) 49
Cooling system.....	(qt) 17½
Crankcase, refill.....	(qt) 5
Transmission.....	(qt) 2½
Rear axle.....	(qt) 2½
Brakes:	
Manufacturer; Ford.....	Type; hydraulic
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	4
Gear ratio.....	High 1:1; Low 6.4:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....	(percent) 38
Turning radius.....	(ft) 29½
Fording depth.....	(in.) 25
Fuel consumption, loaded.....	(mpg) 9
Cruising range, loaded.....	(mi) 441
Allowable speed, governed.....	(mph) 45
Maximum recommended towed load:	
Off highway, gross.....	(lb) 3,000
On highway, gross.....	(lb) 6,000

ENGINE

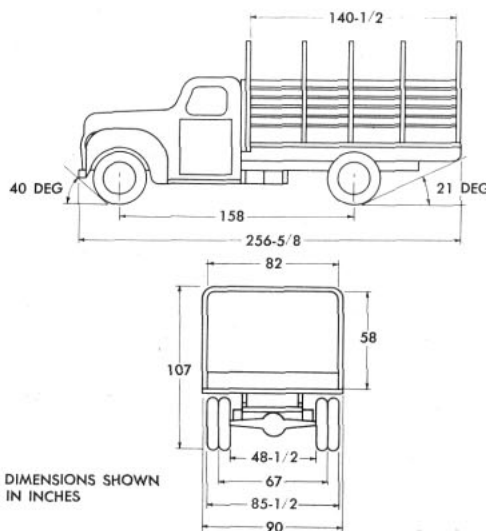
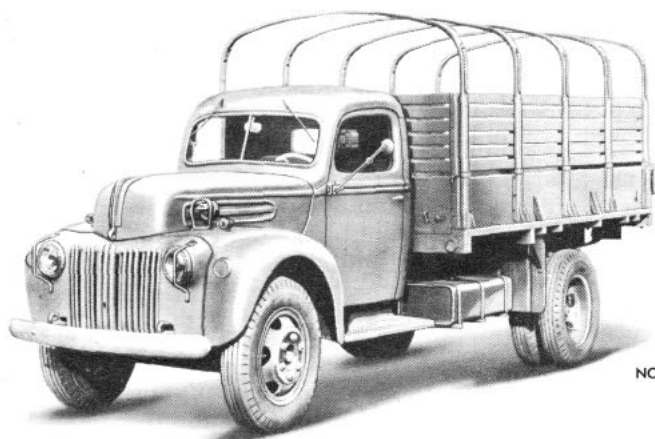
Manufacturer: Ford.....	Model 2G8T
Type.....	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement.....	(cu in.) 226
Bore.....	(in.) 3.3
Stroke.....	(in.) 4.4
Compression ratio.....	6.7:1
Governed speed.....	(rpm) 3,400
Brake horsepower (max/std accessories).....	81 at (rpm) 3,300
Torque (max).....	170 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Rear axle, type.....	spiral-bevel, full-floating
Transmission, type.....	selective sliding-gear

TRUCK, CARGO, 1½-TON, 4 x 2

(Ford, Model G8T, 6-Cyl, 1943)



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

RA PD 137868

Technical Manuals: 9-806; 9-1806A; 9-1806B; Supply Catalog: SNL G-540.

Classification: Nonclassified.

GENERAL DATA

Crew.....	2
Weight (lb): Net.....	6,500
Payload.....	off highway 3,340; on highway * 6,000
Gross.....	off highway 9,840; on highway 12,500
Rear-axle gear ratio.....	6.67:1
Axle load (lb):	
Empty.....	front 2,630; rear 3,870
Loaded:	
Off highway.....	front 2,981; rear 6,859
On highway.....	front 3,260; rear 9,240
Tires:	
Ply 8.....	Size 7.50 x 20; Pressure (psi) 55
Tread, center-to-center, front.....	(in.) 59½
Shipping dimensions, uncrated.....	(cu ft) 1,440; (sq ft) 161
Vehicle dimensions:	
Ground clearance.....	(in.) 10
Loading height, empty.....	(in.) 46
Pintle height, empty.....	(in.) 25¾
Body inside dimensions (in.):	
Length.....	140½
Width.....	82
Height:	
Under bows.....	58
Side rack.....	42
Body cargo space.....	(cu ft) 388
Electrical system.....	(volts) 6
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating.....	72
Capacities:	
Fuel.....	(gal) 49
Cooling system.....	(qt) 16
Crankcase.....	(qt) 5
Transmission.....	(qt) 2½
Rear axle.....	(qt) 2½

Purpose: To transport general cargo.

GENERAL DATA

Brakes:	
Manufacturer; Ford.....	Type; hydrovac
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	4
Gear ratio.....	High 1:1; Low 6.4:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....	(percent) 38
Turning radius.....	(ft) 31¾
Fording depth.....	(in.) 25
Fuel consumption, loaded.....	(mpg) 9
Cruising range, loaded.....	(mi) 441
Allowable speed, governed.....	(mph) 45
Maximum recommended towed load:	
Off highway, gross.....	(lb) 3,000
On highway, gross.....	(lb) 6,000

ENGINE

Manufacturer: Ford.....	Model G8T
Type.....	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement.....	(cu in.) 226
Bore.....	(in.) 3.3
Stroke.....	(in.) 4.4
Compression ratio.....	6.7:1
Governed speed.....	(rpm) 3,400
Brake horsepower (max w/std accessories).....	81 at (rpm) 3,300
Torque (max).....	170 lb-ft at (rpm) 1,200

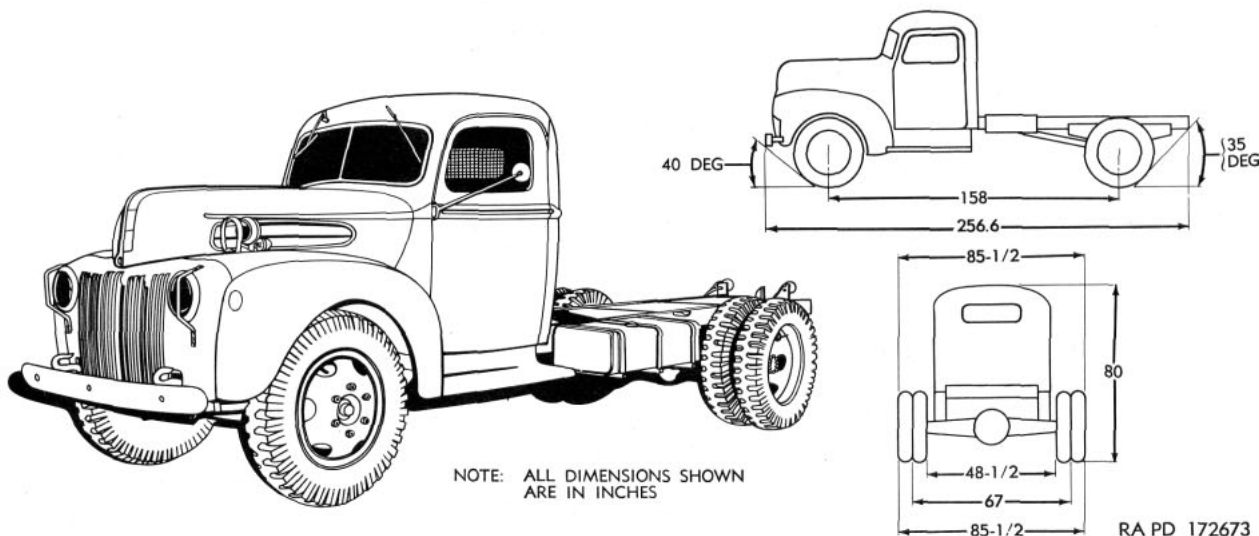
ADDITIONAL DATA

Rear axle, type.....	spiral-bevel, full-floating
Transmission, type.....	selective sliding-gear

* Truck must be equipped with helper springs for 3-ton payload.

TRUCK, CHASSIS, 1½-TON, 4 x 2

(Ford, Model G8T, 6-Cyl 1943, 1945)



Technical Manuals: 9-806, 9-1806A, 9-1806B, 9-1828A, 9-1829A; Supply Catalog: SNL G-540.

Classification: Standard.

Purpose: To be used as component of general-purpose or special-equipment vehicle.

GENERAL DATA

Crew	2
Weight (lb) Net	5,025
Rear axle gear ratio	6.666:1
Axle load (lb),	
Empty	front 1,950; rear 3,075
Tires:	
Ply 8	Size 7.50 x 20; Pressure (psi) 55
Tread, center-to-center, front	(in.) 57½
Shipping dimensions, uncrated	(cu ft) 1,025; (sq ft) 153
Vehicle dimensions:	
Ground clearance	(in.) 9¾
Pintle height, empty	(in.) 25¾
Height of frame	(in.) 34
Electrical system	(volts) 6
No. of batteries	1
Type of ground	positive
Fuel octane rating	70
Capacities:	
Fuel	(gal) 49
Cooling system	(qt) 16
Crankcase, refill	(qt) 5
Transmission	(qt) 2½
Rear axle	(qt) 2½
Brakes:	
Manufacturer: Ford	Type: hydraulic
Parking brake, type	transmission
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 6.4:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 32
Turning radius	(ft) 32
Fording depth	(in.) 25
Fuel consumption, loaded	(mpg) 9
Cruising range, loaded	(mi) 446
Allowable speed, governed	(mph) 45
Maximum recommended towed load (lb):	
Off highway, gross	(lb) 3,000
On highway, gross	(lb) 6,000

ENGINE

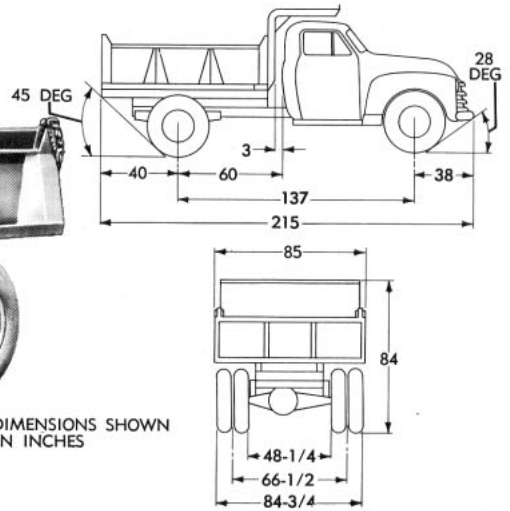
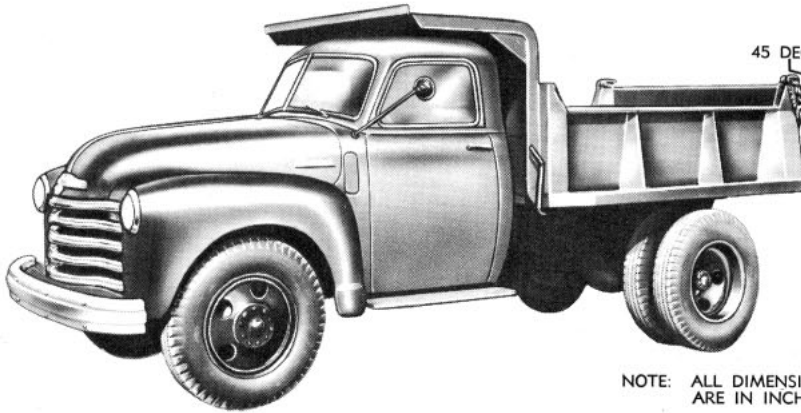
Manufacturer: Ford	Model G8T
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 225
Bore	(in.) 3.3
Stroke	(in.) 4.4
Compression ratio	6.7:1
Governed speed	(rpm) 3,400
Brake horsepower (max w/std accessories)	81 at (rpm) 3,300
Torque (max w/std accessories)	170 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Rear Axle, type	spiral-bevel, full-floating
Transmission, type	selective sliding-gear

TRUCK, DUMP, 1½-TON, 4 x 2

(Chevrolet, Model 4103)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172755

Classification: Standard.

GENERAL DATA

Crew	1; No. Passengers (including crew) 3
Weight (lb)	Net 6,415
Payload	off highway 3,000; on highway 6,085
Gross	off highway 9,415; on highway 12,500
Rear-axle gear ratio	6.17:1
Axle load (lb):	
Empty.....	front 2,755; rear 3,660
Loaded:	
Off highway.....	front 2,995; rear 6,420
On highway.....	front 3,325; rear 9,175
Tires:	
Ply 8.....	Size 7.50 x 20; Pressure (psi) front 40; rear 60
Tread, center-to-center, front.....	(in.) 59¾
Shipping dimensions, uncrated	(cu ft) 888; (sq ft) 127
Vehicle dimensions:	
Ground clearance.....	(in.) 10
Body inside dimensions (in.):	
Length.....	96; Width 72; Height 11
Struck capacity.....	(cu yds) 1½
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 17½
Cooling system (qt).....	w/o heater 15; w/heater 16
Crankcase, refill.....	(qt) 5
Transmission w/PTO.....	(qt) 3½
Rear axle.....	(qt) 5½
Brakes:	
Manufacturer; Chevrolet.....	Type; hydrovac
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	4
Gear ratio.....	High 1:1; Low 7.06:1

Purpose: To transport and dump earth, sand, gravel, etc., and transport general cargo.

PERFORMANCE

Computed grade ability in lowest gear w/off-highway load	(percent) 37
Turning radius (ft)	Right 24; Left 24¾
Fording depth	(in.) 22
Fuel consumption, loaded	(mpg) 8½
Cruising range, loaded	150
Allowable speed, governed	(mph) 54

ENGINE

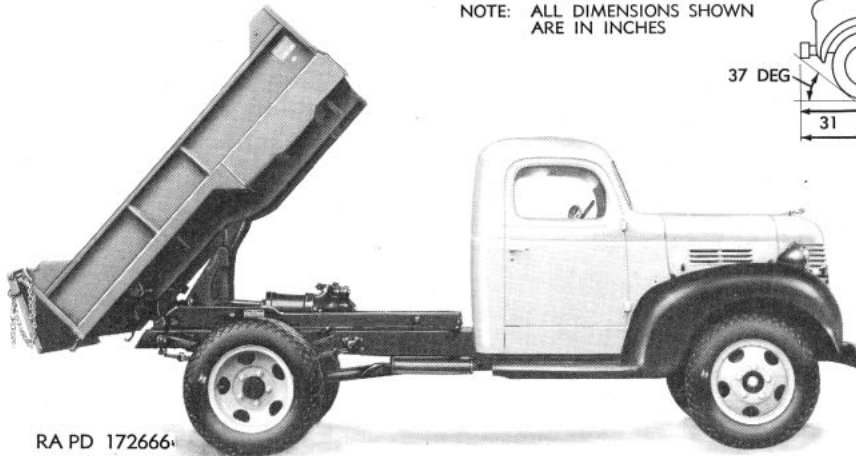
Manufacturer: Chevrolet.....	Model AJE
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 235.5
Bore	(in.) 3¾
Stroke	(in.) 3¾
Compression ratio	6.7:1
Governed speed	(rpm) 3,200
Brake horsepower (max w/std accessories)	98 at (rpm) 3,500
Torque (max w/std accessories)	186 lb-ft at (rpm) 2,000

ADDITIONAL DATA

Rear axle, type	hypoid, full-floating
Transmission, type	synchronesh

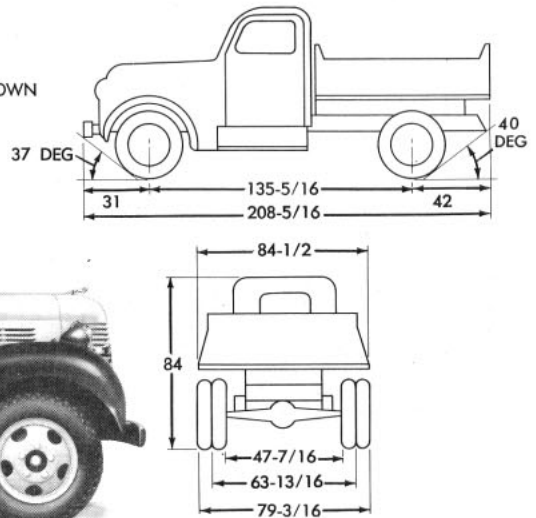
TRUCK, DUMP, 1½-TON, 4 x 2

(Dodge, Model WF-31, 1947)



RA PD 172666

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



Classification: Standard.

Purpose: To transport and dump stone, sand, gravel, etc., and to transport general cargo.

GENERAL DATA

Crew	3
Weight (lb)	Net 6,155; Payload 7,345; Gross 13,500
Rear-axle gear ratio	6.833:1
Axle load (lb):	
Empty	front 2,530; rear 3,625
Loaded	front 3,020; rear 10,480
Tires:	
Ply 10	Size 7.00 x 20; Pressure (psi) 70
Tread, center-to-center, front	(in.) 57¾
Shipping dimensions, uncrated	(cu ft) 965; (sq ft) 138
Vehicle dimensions:	
Ground clearance	(in.) 8½
Body inside dimensions (in.):	
Length	96; Width 72; Height 13½
Struck capacity	(cu yd) 2
Electrical system	(volts) 6
No. of batteries	1
Type of ground	positive
Fuel octane rating	70
Capacities:	
Fuel	(gal) 18
Cooling system, w/o heater	(qt) 20½
Crankcase, refill	(qt) 5
Transmission (qt)	w/power take-off 3½
Rear-axle	(qt) 5½
Brakes:	
Manufacturer: Dodge	Type; hydraulic
Parking brake, type	transmission
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 6.4:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 34
Turning radius (ft)	Right 22; Left 24
Allowable speed, recommended	(mph) 45

ENGINE

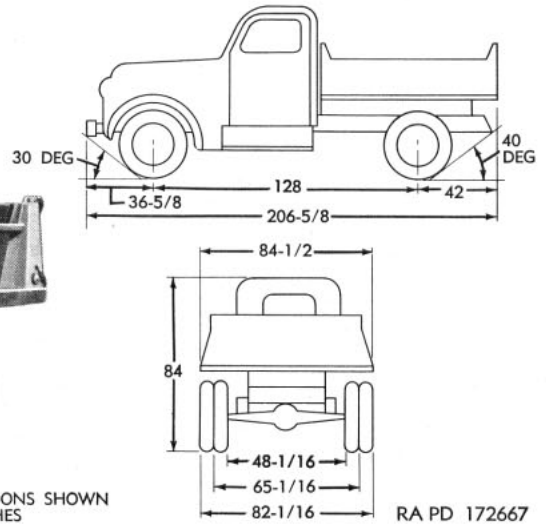
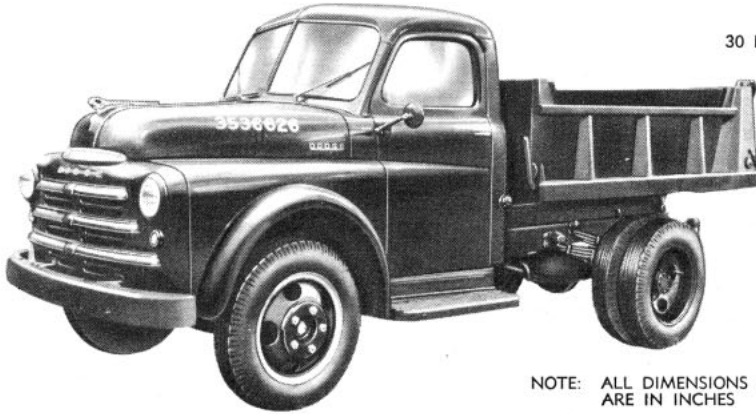
Manufacturer: Dodge	Model T-118
Type	4-cycle, L-head; No. of cylinders (in line) 6
Displacement	(cu. in.) 236.6
Bore	(in.) 3¾
Stroke	(in.) 4¼
Compression ratio	6.6:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	.87 at (rpm) 3,200
Torque (max w/std accessories)	179 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Rear Axle, type	hypoid, full-floating
Transmission, type	synchromesh

TRUCK, DUMP, 1½-TON, 4 x 2

(Dodge, Model B1F128, 1948)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172667

Classification: Standard.

Purpose: To transport and dump stone, sand, gravel, etc., and transport general cargo.

GENERAL DATA

Crew	3
Weight (lb)	Net 6,620; Payload 6,880; Gross 13,500
Rear-axle gear ratio	6.833:1
Axle load (lb):	
Empty	front 2,810; rear 3,810
Loaded	front 3,295; rear 10,205
Tires:	
Ply 10	Size 7.00 x 20; Pressure (psi) 70
Tread, center-to-center, front	(in.) 62
Shipping dimensions, uncrated	(cu ft) 850; (sq ft) 121
Vehicle dimensions:	
Ground clearance	(in.) 8 1/4
Body inside dimensions (in.)	Length 96; Width 78; Height 16
Struck capacity	(cu yd) 2 1/2
Electrical system	(volts) 6
No. of batteries	1
Type of ground	positive
Fuel octane rating	70
Capacities:	
Fuel	(gal) 18
Cooling system	(qt) 19 1/4
Crankcase, refill	(qt) 5
Transmission (qt)	w/power take off 3 1/2
Rear axle	(qt) 5 1/2
Brakes:	
Manufacturer: Dodge	Type: hydraulic
Parking brake, type	transmission
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 6.4:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 34
Turning radius	(ft) 22
Allowable speed, recommended	(mph) 45

ENGINE

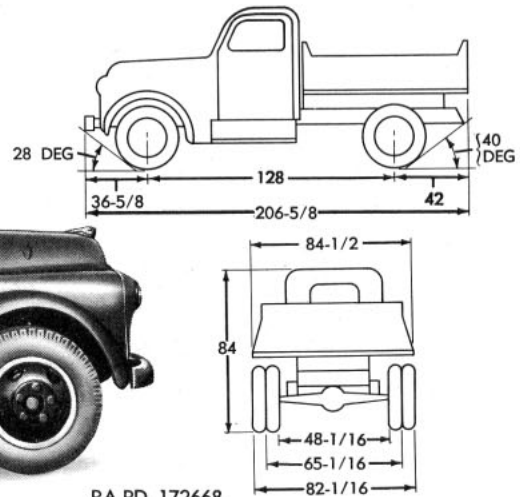
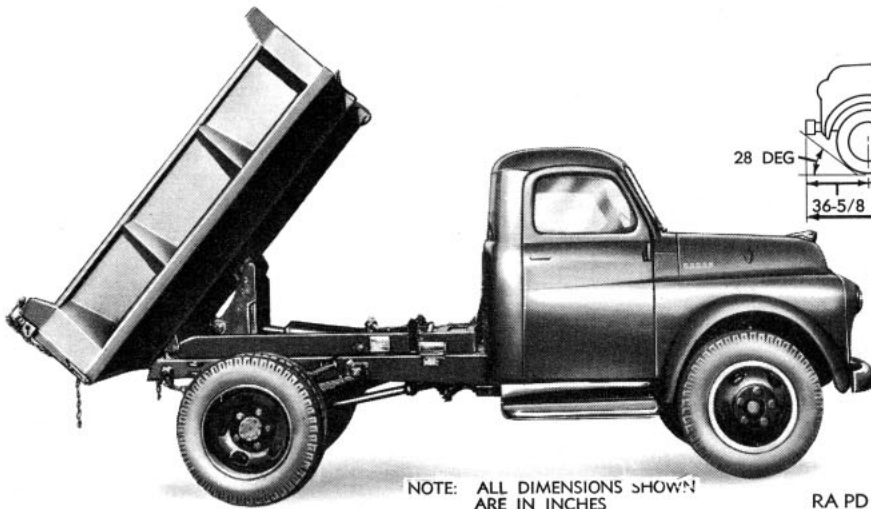
Manufacturer: Dodge	Model T-148
Type	4-cycle, L-head; No. of cylinders (in line) 6
Displacement	(cu in.) 236.6
Bore	(in.) 3 3/4
Stroke	(in.) 4 1/4
Compression ratio	6.6:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	91 at (rpm) 3,200
Torque (max w/std accessories)	180 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Rear axle, type	hypoid, full-floating
Transmission, type	synchronesh

TRUCK, DUMP, 1½-TON, 4 x 2

(Dodge, Model B1FA128, w/Garwood Model G12 body, 1948)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172668

Classification: Standard.

Purpose: To transport and dump stone, sand, gravel, etc., and to transport general cargo.

GENERAL DATA

Crew	3
Weight (lb)	Net 6,405; Payload 7,095; Gross 13,500
Rear-axle gear ratios (2-speed) :	
High.....	5.83:1
Low.....	8.11:1
Axle load (lb) :	
Empty.....	front 2,830; rear 3,575
Loaded.....	front 3,225; rear 10,275
Tires:	
Ply 8.....	Size 7.50 x 20; Pressure (psi) 60
Tread, center-to-center, front.....	(in.) 62
Shipping dimensions, uncrated	(cu ft) 965; (sq ft) 138
Vehicle dimensions:	
Ground clearance.....	(in.) 9
Body inside dimensions (in.):	
Length.....	96; Width 72; Height 13½
Struck capacity.....	(cu yds) 2
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating	70
Capacities:	
Fuel.....	(gal) 18
Cooling system.....	(qt) 19¼
Crankcase.....	(qt) 5
Transmission (qt).....	w/power take off 3½
Rear axle.....	(qt) 6½
Brakes:	
Manufacturer; Dodge.....	Type; vacuum-hydraulic
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	4
Gear ratio.....	High 1:1; Low 6.40:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 42
Turning radius	(ft) 22
Allowable speed, recommended	(mph) 50

ENGINE

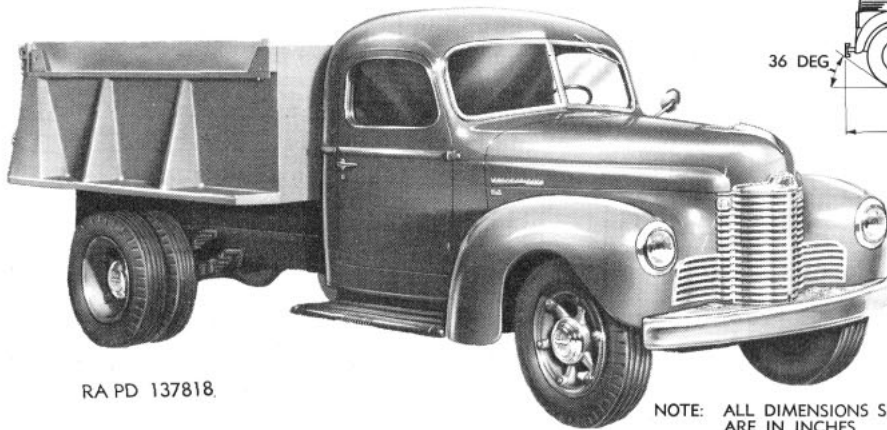
Manufacturer: Dodge.....	Model T-178
Type	4-cycle, L-head; No. of cylinders (in line) 6
Displacement	(cu in.) 236.6
Bore	(in.) 3¾
Stroke	(in.) 4¼
Compression ratio	6.6:1
Governed speed	not governed
Brake horsepower (max w/std accessories)	91 at (rpm) 3,200
Torque (max w/std accessories)	180 lb-ft at (rpm) 1,200

ADDITIONAL DATA

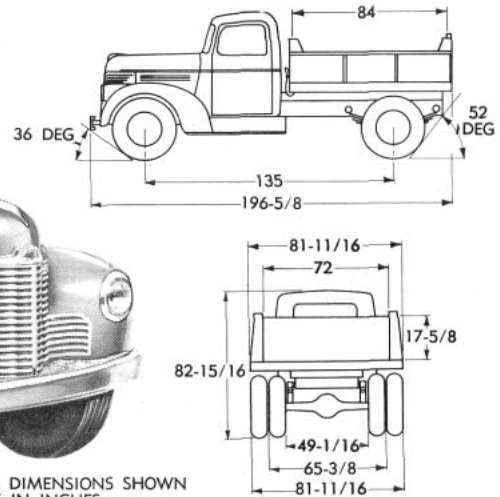
Rear axle, type	hypoid, full-floating
Transmission, type	synchromesh

TRUCK, DUMP, 1½-TON, 4 x 2

(International Harvester, Model KB 5, 1949)



RA PD 137818



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Classification: Standard.

Purpose: To haul and dump earth, sand, gravel, coal, etc., and transport general cargo.

GENERAL DATA

Crew	2
Weight (lb)	Net 5,800
Payload:	
Off highway.....	3,000; Gross 8,800
On highway.....	5,900; Gross 11,700
Rear-axle gear ratio	6.166:1
Axle load (lb):	
Empty.....	front 2,500; rear 3,300
Loaded:	
Off highway.....	front 2,860; rear 5,940
On highway.....	front 3,208; rear 8,492
Tires:	
Ply 8.....	Size 7.00 x 20; Pressure (psi) 55
Tread, center-to-center, front.....	(in.) 58½
Shipping dimensions, uncrated	(cu ft) 771; (sq ft) 112
Vehicle dimensions:	
Ground clearance.....	(in.) 9¾
Body inside dimensions (in.):	
Length.....	84; Width 72; Height 17¾
Struck capacity.....	(cu yd) 2¼
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating	75
Capacities:	
Fuel.....	(gal) 18
Cooling system.....	(qt) 14
Crankcase, refill.....	(qt) 5
Transmission w/power take-off.....	(qt) 2¼
Rear axle.....	(qt) 3½
Brakes:	
Manufacturer; Wagner.....	Type; hydraulic
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	4
Gear ratio.....	High 1:1; Low 6.4:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 46
Turning radius	(ft) 24
Fording depth	(in.) 28¾
Fuel consumption, loaded	(mpg) 10
Cruising range, loaded	(mi) 180
Allowable speed, governed	(mph) 56

ENGINE

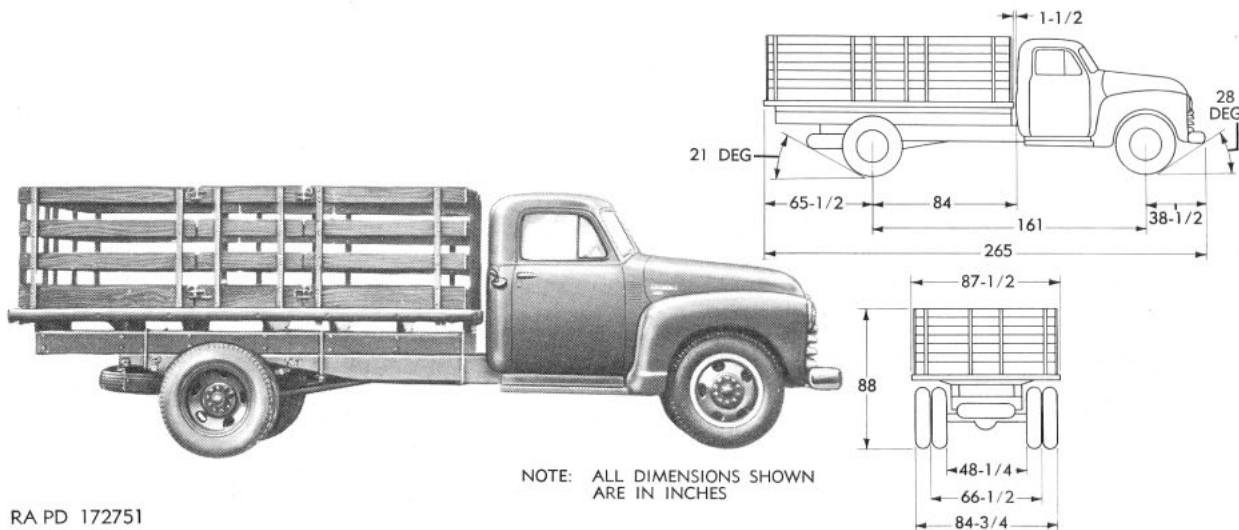
Manufacturer: International Harvester.....	Model GRD-233
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 233
Bore	(in.) 3¾
Stroke	(in.) 4½
Compression ratio	6.3:1
Governed speed	(rpm) 3,500
Brake horsepower (max w/std accessories)	93 at (rpm) 3,400
Torque (max)	181 lb-ft at (rpm) 1,000

ADDITIONAL DATA

Rear axle, type	spiral-bevel, full-floating
Transmission, type	synchronesh

TRUCK, STAKE AND PLATFORM, 1½-TON, 4 x 2

(Chevrolet, Model 4409)



RA PD 172751

Classification: Standard.

GENERAL DATA

Crew	1; No. Passengers (including crew) 3
Weight (lb)	Net 5,675
Payload.....	off highway 3,000; on highway 6,825
Gross.....	off highway 8,675; on highway 12,500
Rear-axle gear ratio	6.17:1
Axle load (lb):	
Empty.....	front 2,650; rear 3,025
Loaded:	
Off highway.....	front 2,830; rear 5,845
On highway.....	front 3,100; rear 9,400
Tires:	
Ply 8.....	Size 7.50 x 20; Pressure (psi) front 40; rear 60
Tread, center-to-center, front.....	(in.) 59¾
Shipping dimensions, uncrated	(cu ft) 1,181; (sq ft) 161
Vehicle dimensions:	
Ground clearance.....	(in.) 10
Loading height, empty.....	(in.) 49
Body inside dimensions (in.):	
Length.....	141½
Width.....	80¾
Height.....	38½
Cargo space.....	(cu ft) 254
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 17½
Cooling system (qt).....	w/o heater 15; w/heater 16
Crankcase, refill.....	(qt) 5
Transmission.....	(qt) 3
Rear axle.....	(qt) 5½
Brakes:	
Manufacturer: Chevrolet.....	Type; hydrovac
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	4
Gear ratio.....	High 1:1; Low 7.06:1

Purpose: To transport general cargo.

PERFORMANCE

Computed grade ability in lowest gear w/off-highway load	(percent) 37
Turning radius	(ft) 28
Fording depth	(in.) 22
Fuel consumption, loaded	(mpg) 8½
Cruising range, loaded	(mi) 150
Allowable speed, governed	(mph) 54

ENGINE

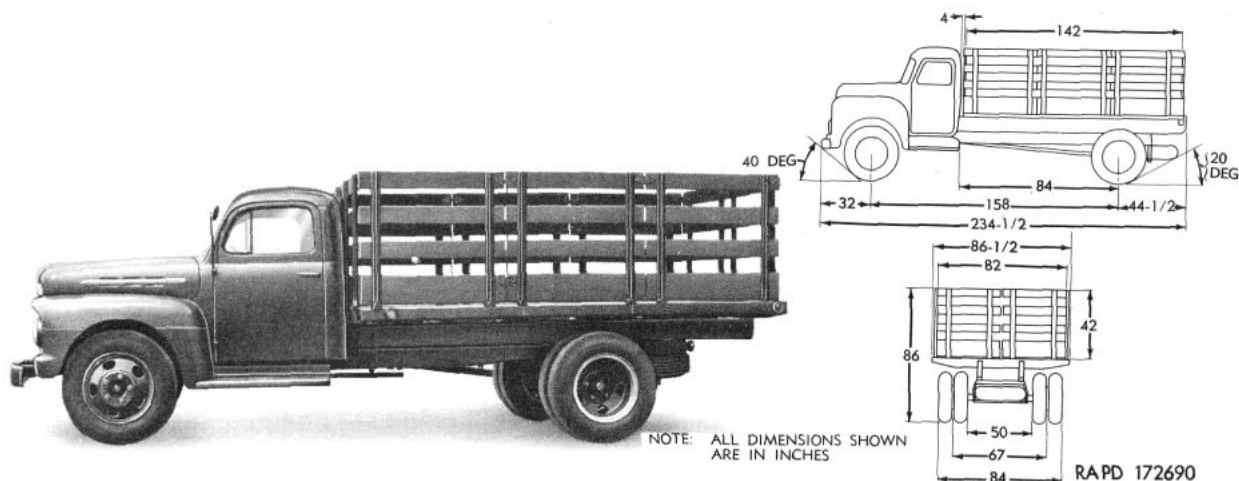
Manufacturer: Chevrolet.....	Model AJE
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 235.5
Bore	(in.) 3¾
Stroke	(in.) 3¼
Compression ratio	6.7:1
Governed speed	(rpm) 3,200
Brake horsepower (max w/std accessories)98 at (rpm) 3,500
Torque (max w/std accessories)	186 lb-ft at (rpm) 2,000

ADDITIONAL DATA

Rear axle, type	hypoid, full floating
Transmission, type	synchromesh

TRUCK, STAKE AND PLATFORM, 1½-TON, 4 x 2

(Ford, Model F-5)



Classification: Standard.

Purpose: To transport general cargo.

GENERAL DATA

Crew	2
Weight (lb): Net.....	5,885
Payload.....	off highway 3,000; on highway 6,615
Gross.....	off highway 8,885; on highway 12,500
Rear-axle gear ratio	6.67:1
Axle load (lb):	
Empty.....	front 2,600; rear 3,285
Loaded:	
Off highway.....	front 2,840; rear 6,045
On highway.....	front 3,125; rear 9,375
Tires:	
Ply 8.....	Size 7.50 x 20; Pressure (psi) 60
Tread, center-to-center, front.....	(in.) 58½
Shipping dimensions, uncrated	(cu ft) 1,030; (sq ft) 141
Vehicle dimensions:	
Ground clearance.....	(in.) 9¾
Loading height, empty.....	(in.) 44
Body inside dimensions (in.):	
Length.....	Width 82; Height 42
Cargo space.....	(cu ft) 288
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 20
Cooling system.....	(qt) 23
Crankcase, refill.....	(qt) 5
Transmission.....	(qt) 2½
Transfer.....	(qt) 1½
Rear axle.....	(qt) 2½

GENERAL DATA—Continued

Brakes:	
Manufacturer; Ford.....	Type; hydraulic
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	4
Gear ratio.....	High 1:1; Low 6.4:*

PERFORMANCE

Computed grade ability in lowest gear w/off-highway load	(percent) 65
Turning radius	(ft) 28
Fording depth	(in.) 24
Fuel consumption, loaded	(mpg) 9
Cruising range, loaded	(mi) 180
Allowable speed, governed	(mph) 60

ENGINE

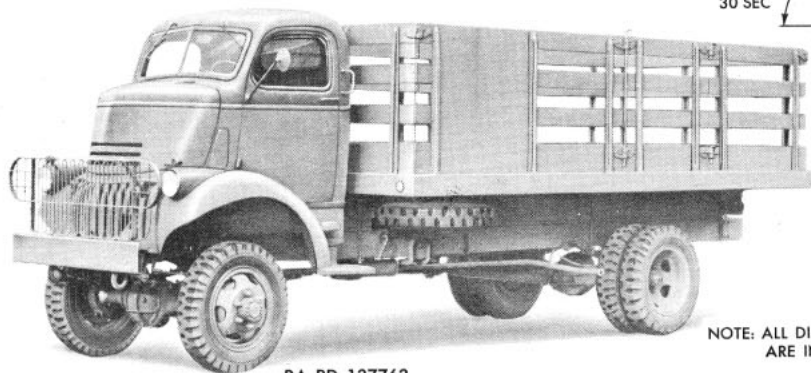
Manufacturer: Ford.....	Model 8RT
Type	4-cycle, L-head; No. of cylinders (90-deg F) 8
Displacement	(cu. in.) 239
Bore	(in.) 3¾
Stroke	(in.) 3¾
Compression ratio	6.8:1
Governed speed	(rpm) 3,800
Brake horsepower, gross	100 at (rpm) 3,800
Torque, gross	185 lb-ft at (rpm) 1,600

ADDITIONAL DATA

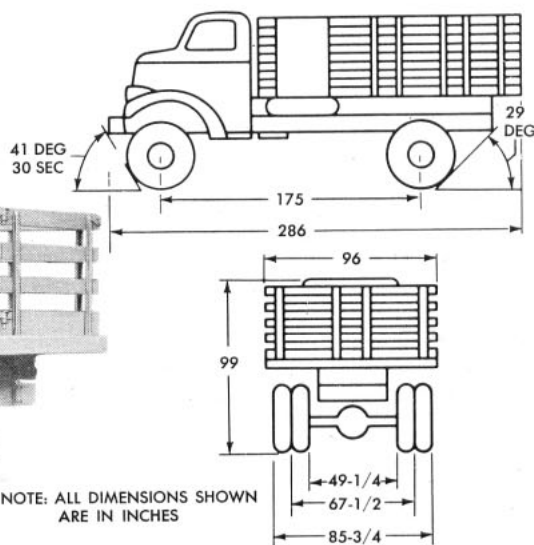
Rear axle, type	spiral-bevel, full-floating
Transmission, type	selective sliding gear

TRUCK, STAKE AND PLATFORM, 1½-TON, 4 x 2

(Ford, Model G8T)



RA PD 137763



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-806, 9-1806A, 9-1806B; Supply Catalog: SNL G-540.

Classification: Standard.

Purpose: To transport general cargo.

GENERAL DATA

Crew	2
Weight (lb) Net	6,500
Payload.....	off highway 3,350; on highway 6,000
Gross.....	off highway 9,850; on highway 12,500
Rear-axle gear ratio	6.67:1
Axle load (lb):	
Empty.....	front 2,630; rear 3,870
Loaded:	
Off highway.....	front 3,006; rear 6,844
On highway.....	front 3,290; rear 9,210
Tires:	
Ply 8.....	Size 7.50 x 20; Pressure (psi) 55
Tread, center-to-center, front.....	(in.) 59½
Shipping dimensions, uncrated	(cu ft) 1,173; (sq ft) 167.4
Vehicle dimensions:	
Loading height, empty.....	(in.) 46
Ground clearance.....	(in.) 10
Pintle height, empty.....	(in.) 25¾
Body inside dimensions (in.):	
Length.....	140½
Width.....	82
Height:	
Under bows.....	57
Side rack.....	42
Body cargo space.....	(cu ft) 370
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating	70
Capacities:	
Fuel.....	(gal) 49
Cooling system.....	(qt) 16
Crankcase.....	(qt) 5
Transmission.....	(qt) 2½
Rear axle.....	(qt) 2½

GENERAL DATA—Continued

Brakes:	
Manufacturer; Ford.....	Type; hydraulic
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	4
Gear ratio.....	High 1:1; Low 6.4:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 32
Turning radius	(ft) 29
Fording depth	(in.) 25
Fuel consumption, loaded	(mpg) 9
Cruising range, loaded	(mi) 440
Allowable speed, governed	(mph) 45
Maximum recommended towed load:	
Off highway, gross.....	(lb) 3,000
On highway, gross.....	(lb) 6,000

ENGINE

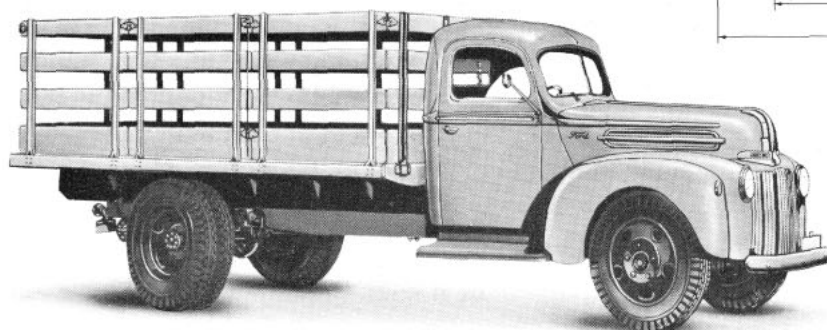
Manufacturer: Ford.....	Model G8T
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 225
Bore	(in.) 3.3
Stroke	(in.) 4.4
Compression ratio	6.7:1
Governed speed	(rpm) 3,400
Brake horsepower (max w/std accessories)	81 at (rpm) 3,300
Torque (max)	170 lb-ft at (rpm) 1,200

ADDITIONAL DATA

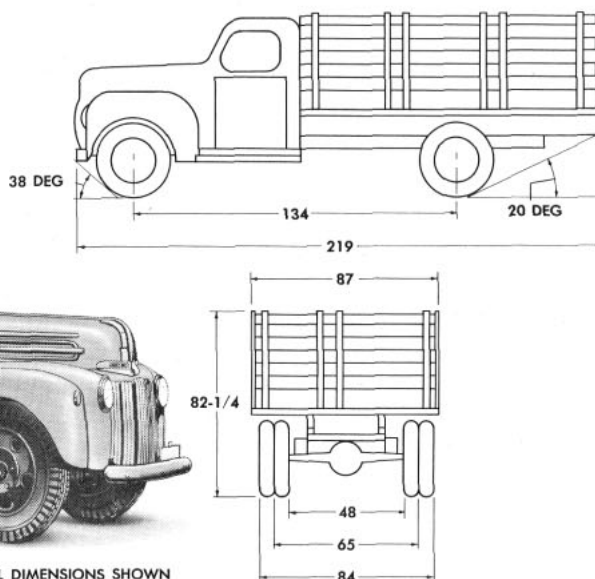
Rear axle, type	spiral-bevel, full-floating
Transmission, type	selective sliding-gear

TRUCK, STAKE AND PLATFORM, 1½-TON, 4 x 2

(Ford, Models 2GT, 1942; 2GT, 6-cyl, 1942; 2GT, 1943)



RA PD 137811



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-806, 9-1806A, 9-1806B; Supply Catalog: SNL G-540.

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb): Net	4,689
Payload	off highway 3,000; on highway *7,820
Gross	off highway 7,680; on highway 12,500
Rear-axle gear ratio	6.67:1
Axle load (lb):	
Empty	front 2,010; rear 2,670
Loaded:	
Off highway	front 2,235; rear 5,445
On highway	front 2,590; rear 9,910
Tires:	
Ply 8	Size 7.50 x 20; Pressure (psi) 55
Tread, center-to-center, front	(in.) 56.66
Shipping dimensions, uncrated	(cu ft) 910; (sq ft) 133
Vehicle dimensions:	
Ground clearance	(in.) 9 1/4
Loading height, empty	(in.) 43 3/4
Body inside dimensions (in.):	
Length	106
Width	82 1/4
Height:	
Under bows	57
Side rack	42
Body cargo space	(cu ft) 284
Electrical system	(volts) 6
No. of batteries	1
Type of ground	positive
Fuel octane rating	72
Capacities:	
Fuel	(gal) 19
Cooling system	(qt) 17 1/2
Crankcase, refill	(qt) 5
Transmission	(qt) 2 1/4
Rear axle	(qt) 2 1/4

Purpose: To transport general cargo.

GENERAL DATA—Continued

Brakes:	
Manufacturer; Ford	Type; hydraulic
Parking brake, type	transmission
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 6.4:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 38
Turning radius	(ft) 25
Fording depth	(in.) 25
Fuel consumption, loaded	(mpg) 9
Cruising range, loaded	(mi) 171
Allowable speed, governed	(mph) 45

ENGINE

Manufacturer; Ford	Model 2GT
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 226
Bore	(in.) 3.3
Stroke	(in.) 4.4
Compression ratio	6.7:1
Governed speed	(rpm) 3,400
Brake horsepower (max w/std accessories)	81 at (rpm) 3,300
Torque (max)	170 lb-ft at (rpm) 1,200

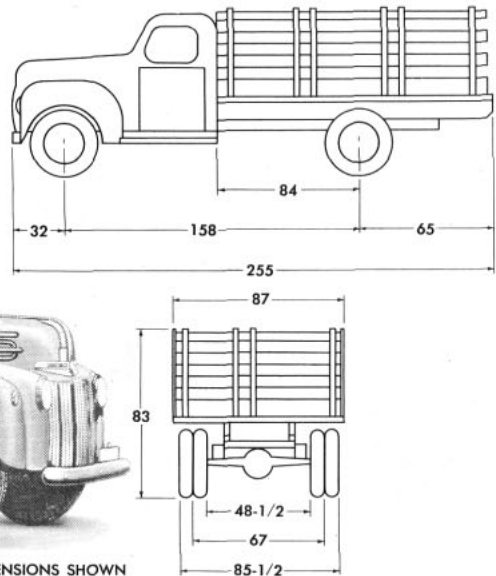
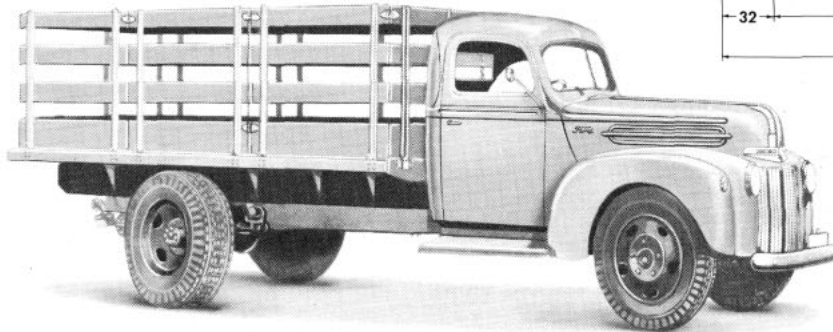
ADDITIONAL DATA

Rear axle, type	spiral-bevel, full-floating
Transmission, type	selective sliding-gear

*Truck must be equipped with helper springs for this payload.

TRUCK, STAKE AND PLATFORM, 1½-TON, 4 x 2

(Ford, Models 2G8T and 2GT86, 6-cyl, 1942)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137812

Technical Manuals: 9-806, 9-1806A, 9-1806B; Supply Catalog: SNL G-540.

Classification: Standard.

Purpose: To transport general cargo.

GENERAL DATA

Crew	2
Weight (lb)	Net 5,138
Payload	off highway 3,140; on highway 7,362
Gross	off highway 8,278; on highway 12,500
Rear axle-gear ratio	6.67:1
Axle load (lb):	
Empty	front 2,338; rear 2,800
Loaded:	
Off highway	front 2,448; rear 5,830
On highway	front 2,600; rear 9,900
Tires:	
Ply 8	Size 7.50 x 20; Pressure (psi) 55
Tread, center-to-center, front	(in.) 56½
Shipping dimensions, uncrated	(cu ft) 1,360; (sq ft) 155
Vehicle dimensions:	
Ground clearance	(in.) 9¼
Loading height, empty	(in.) 43¾
Pintle height, empty	(in.) 25¾
Body inside dimensions (in.):	
Length	142
Width	82
Height:	
Under bows	57
Side rack	42
Body cargo space	(cu ft) 385
Electrical system	(volts) 6
No. of batteries	1
Type of ground	positive
Fuel octane rating	72
Capacities:	
Fuel	(gal) 49
Cooling system	(qt) 17½
Crankcase, refill	(qt) 5
Transmission	(qt) 2½
Rear axle	(qt) 2½

GENERAL DATA—Continued

Brakes:	
Manufacturer: Ford	Type: hydraulic
Parking brake, type	transmission
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 6.4:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 38
Turning radius	(ft) 29½
Fording depth	(in.) 25
Fuel consumption, loaded	(mpg) 9
Cruising range, loaded	(mi) 441
Allowable speed, governed	(mph) 45
Maximum recommended towed load:	
Off highway, gross	(lb) 3,000
On highway, gross	(lb) 6,000

ENGINE

Manufacturer: Ford	Model 2GT
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 226
Bore	(in.) 3.3
Stroke	(in.) 4.4
Compression ratio	6.7:1
Governed speed	(rpm) 3,400
Brake horsepower (max w/std accessories)	81 at (rpm) 3,300
Torque (max)	170 lb-ft at (rpm) 1,200

ADDITIONAL DATA

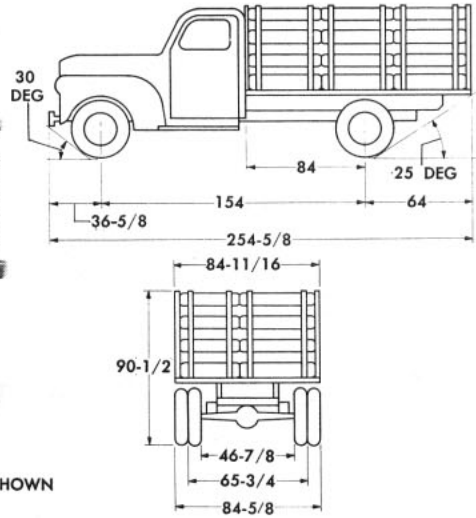
Rear axle, type	spiral-bevel, full-floating
Transmission, type	selective sliding-gear

TRUCK, STAKE AND PLATFORM, 1½-TON, 4 x 2

(International Harvester, Model L-152)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137803

Classification: Standard.

Purpose: To transport general cargo.

GENERAL DATA

Crew	2
Weight (lb): Net.....	5,505
Payload.....	off highway 3,000; on highway 6,995
Gross.....	off highway 8,505; on highway 12,500
Rear-axle gear ratio	6.166:1
Axle load (lb):	
Empty.....	front 2,830; rear 2,675
Loaded:	
Off highway.....	front 3,010; rear 5,495
On highway.....	front 3,250; rear 9,250
Tires:	
Ply 8.....	Size 7.50 x 20; Pressure (psi) 60
Tread, center-to-center, front.....	(in.) 62 7/16
Shipping dimensions, uncrated	(cu ft) 1,130; (sq ft) 150
Vehicle dimensions:	
Ground clearance.....	(in.) 10 1/2
Loading height, empty.....	(in.) 46 3/4
Body inside dimensions (in.):	
Length.....	140; Width 80; Height 42
Cargo space.....	(cu ft) 272
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 21
Cooling system.....	(qt) 17 3/4
Crankcase, refill.....	(qt) 7
Transmission.....	(qt) 2 1/2
Rear axle.....	(qt) 2 3/4
Brakes:	
Manufacturer; Bendix.....	Type; hydraulic
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	4
Gear ratio.....	High 1:1; Low 6.4:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 33
Turning radius	(ft) 27
Fording depth	(in.) 24 1/4
Fuel consumption, loaded	(mpg) 6
Cruising range, loaded	(mi) 126
Allowable speed, governed	(mph) 57

ENGINE

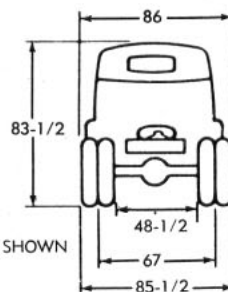
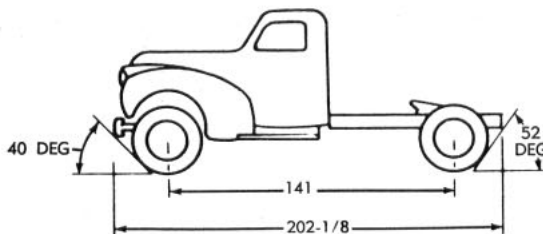
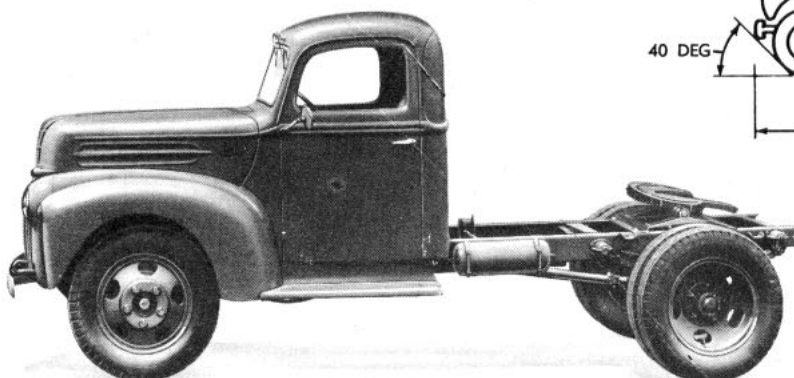
Manufacturer: International Harvester.....	Model 8D-240
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu. in.) 240.3
Bore	(in.) 3 3/4
Stroke	(in.) 4 3/4
Compression ratio	6.5:1
Governed speed	(rpm) 3,400
Brake horsepower (max w/std accessories)	93 at (rpm) 3,400
Torque (max)	186 lb-ft at (rpm) 1,100

ADDITIONAL DATA

Rear axle, type	hypoid, full-floating
Transmission, type	synchromesh

TRUCK, TRACTOR, 1½-TON, 4 x 2

(Ford, Models 2G8TA, 2GT, 1942; 2GT, 6-cyl, 1942; 2GT86, 6-cyl, 1942; 2G8T, 6-cyl, 1942; 2GT, 1943)



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

RA PD 172701

Technical Manuals: 9-806, 9-1806A, 9-1806B, 9-1825B, 9-1827C, 9-1828A, 9-1829A; Supply Catalog: SNL G-540.

Classification: Standard.

Purpose: To tow semitrailers.

GENERAL DATA

Crew	2
Weight (lb):	
Net	5,800
Payload	off highway 4,320; on highway 6,760
Gross	off highway 10,120; on highway 12,560
Rear-axle gear ratio	6.67:1
Axle load (lb):	
Empty	front 2,760; rear 3,040
Loaded:	
Off highway	front 2,950; rear 7,170
On highway	front 3,060; rear 9,500
Tires:	
Ply 8	Size 7.50 x 20; Pressure (psi) 55
Tread, center-to-center, front	(in.) 65
Shipping dimensions, uncrated	(cu ft) 840; (sq ft) 121
Vehicle dimensions:	
Ground clearance	(in.) 9¾
Height to center of fifth wheel	(in.) 40
Fifth-wheel center to center of rear axle	(in.) 3
Electrical system	(volts) 6
No. of batteries	1
Type of ground	positive
Fuel octane rating	68
Capacities:	
Fuel	(gal) 19
Cooling system	(qt) 16
Crankcase	(qt) 5
Transmission	(qt) 2½
Rear axle	(qt) 2½
Brakes:	
Manufacturer	Ford; Type: hydraulic w/vacuum booster
Parking brake, type	transmission
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 6.4:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 24
Turning radius	(ft) 29
Fording depth	(in.) 25
Fuel consumption, loaded	(mpg) 7
Cruising range, loaded	(mph) 130
Allowable speed, governed	(mph) 45
Maximum semitrailer, gross	(lb) 12,000

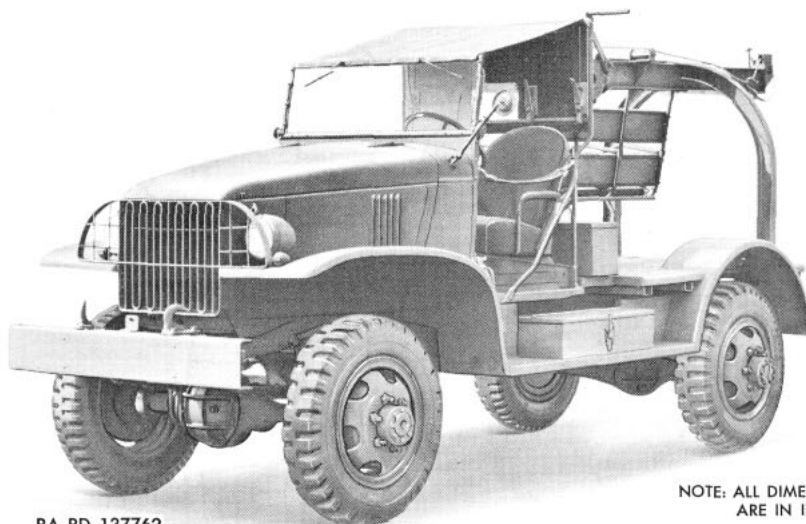
ENGINE

Manufacturer	Ford	Model	G8TA
Type	4-cycle, L-head; No. of cylinders (in line) 6		
Displacement	(cu in.) 225		
Bore	(in.) 3¼		
Stroke	(in.) 4¾		
Compression ratio	6.7:1		
Governed speed	(rpm) 3,400		
Brake horsepower (max w/std accessories)	90 at (rpm) 3,400		
Torque (max w/std accessories)	180 lb-ft at (rpm) 1,200		

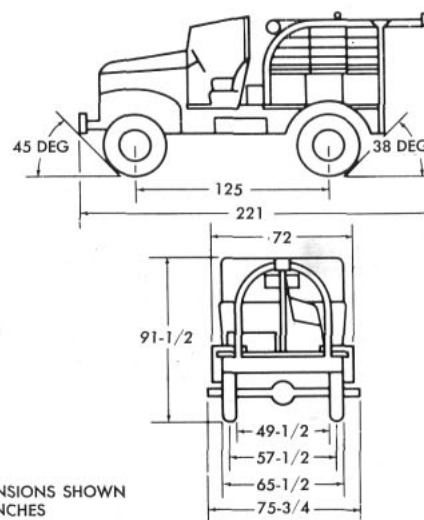
ADDITIONAL DATA

Equipped with controls for semitrailer electric brakes.
 Rear axle, type spiral-bevel, full-floating
 Transmission, type selective sliding gear

TRUCK, BOMB SERVICE, 1½-TON, 4 x 4, M6 (Chevrolet, Model NQ, G7128)



RA PD 137762



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-765, 9-805, 9-1765A, 9-1765B, 9-1825A, 9-1827B; Supply Catalog: SNL G-85, Vol. 4.

Classification: Limited Standard.

GENERAL DATA

Crew	2; Passengers (including crew) 5
Weight (lb)	Net 6,325; Payload 2,000; Gross 8,325
Live-axle gear ratio	6.67:1
Axle load (lb):	
Empty	front 3,180; rear 3,145
Loaded	front 3,405; rear 4,920
Tires:	
Ply 8	Size 7.50 x 20; Pressure (psi) 55
Tread, center-to-center, front	(in.) 60½
Shipping dimensions, uncrated	(cu ft) 887; (sq ft) 116
Vehicle dimensions:	
Ground clearance	(in.) 9¾
Pintle height, loaded	(in.) 25½
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 48
Cooling system	(qt) 17¼
Crankcase, refill	(qt) 5
Transfer	(qt) 2
Transmission	(qt) 2¾
Axles (each)	(qt) 7
Brakes:	
Manufacturer	Chevrolet; Type; hydrovac
Parking brake, type	transfer
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 7.06:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 1.94:1

Purpose: To tow bomb trailers and lift bombs on and off trailers.

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 27½
Fording depth	(in.) 29
Fuel consumption, loaded:	
W/towed load	(mpg) 5
W/o towed load	(mpg) 9
Cruising range, loaded:	
W/towed load	(mi) 240
W/o towed load	(mi) 432
Allowable speed, governed	(mph) 50
Maximum recommended towed load, gross	(lb) 8,000

ENGINE

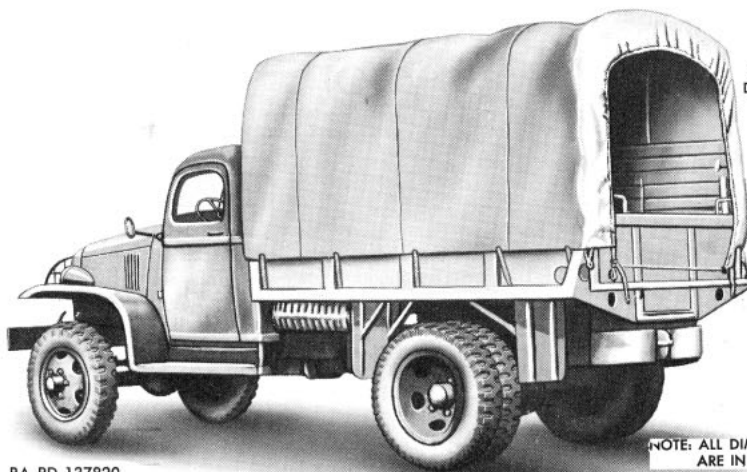
Manufacturer:	Chevrolet	Model BV-1001 up
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6	
Displacement	(cu in.) 235.5	
Bore	(in.) 3¾	
Stroke	(in.) 3½	
Compression ratio	6.62:1	
Governed speed (when governor is furnished)	(rpm) 3,100	
Brake horsepower (max w/std accessories)	83 at (rpm) 3,100	
Torque (max)	184 lb-ft at (rpm) 1,000	

ADDITIONAL DATA

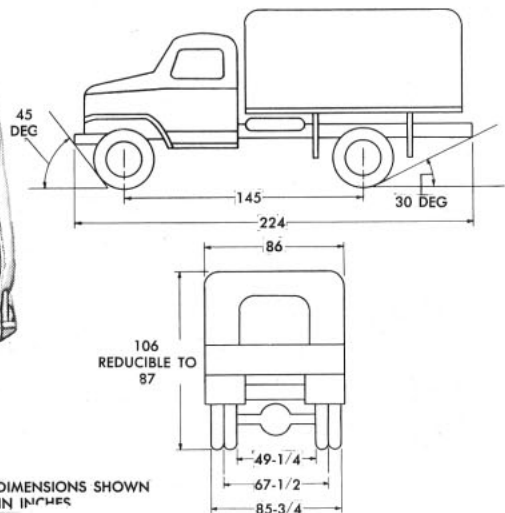
Hoist hand-operated	Capacity 1 ton.
Live axle, type	hypoid, full-floating
Transmission, type	selective sliding-gear

TRUCK, CARGO, 1½-TON, 4 x 4

(Chevrolet, Models YP, G4112, 1941; NJ, G7107, 1942)



RA PD 137820



Technical Manuals: 9-805, 9-1765A, 9-1765B, 9-1825A, 9-1827B; Supply Catalog: SNL G-506.

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 7,545
Payload:	
Off highway	3,350; Gross 10,895
On highway	5,400; Gross 12,945
Live-axle gear ratio	6.67:1
Axle load (lb):	
Empty	front 3,200; rear 4,345
Loaded:	
Off highway	front 3,610; rear 7,285
On highway	front 3,860; rear 9,085
Tires:	
Ply 8	Size 7.50 x 20; Pressure (psi); front 55, rear 40
Tread, center-to-center, front	(in.) 60½
Shipping dimensions, uncrated	(cu ft) 970; (sq ft) 134
Vehicle dimensions:	
Ground clearance	(in.) 97½
Loading height, empty	(in.) 46
Pintle height, loaded	(in.) 29
Body inside dimensions (in.):	
Length	108
Width	70
Height:	
Under bows	59
Side panel	14
Side rack	36½
Body cargo space	(cu ft) 258
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 30
Cooling system	(qt) 17¼
Crankcase, refill	(qt) 5
Transmission	(qt) 2¾
Transfer	(qt) 2
Axles (each)	(qt) 7

Purpose: To transport general cargo and personnel.

GENERAL DATA—Continued

Brakes:	
Manufacturer	Chevrolet; Type; hydraulic
Parking brake, type	transfer
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 7.06:1; on early YP 7.23:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 1.94:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 31
Fording depth	(in.) 29
Fuel consumption, loaded:	
W/towed load	(mpg) 6½
W/o towed load	(mpg) 9
Cruising range, loaded:	
W/towed load	(mi) 195
W/o towed load	(mi) 270
Allowable speed	(mph) 48
Maximum recommended towed load, gross	(lb) 8,000

ENGINE

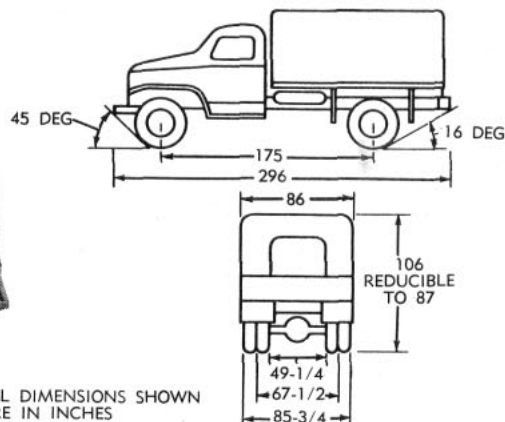
Manufacturer:	Chevrolet	Model BV 1001 up
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6	
Displacement	(cu in.) 235.5	
Bore	(in.) 3¾	
Stroke	(in.) 3¼	
Compression ratio	6.62:1	
Governed speed	(rpm) 3,100	
Brake horsepower (max w/std accessories)	83 at (rpm) 3,100	
Torque (max)	184 lb-ft at (rpm) 1,000	

ADDITIONAL DATA

Live axle, type	hypoid, full-floating
Transmission, type	selective sliding-gear

TRUCK, CARGO, 1½-TON, 4 x 4

(Chevrolet, Models YQ, G4112, 1941; ZQ, G4174, 1941; NP, G7127, 1942, LWB)



RA PD 172692

Technical Manuals: 9-805, 9-1765A, 9-1765B, 9-1825A, 9-1827B; Supply Catalog: SNL G-506.

Classification: Limited Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 8,150
Payload:	
Off highway.....	3,350; Gross 11,500
On highway.....	4,800; Gross 12,950
Live-axle gear ratio	6.67:1
Axle load (lb):	
Empty.....	front 3,120; rear 5,030
Loaded:	
Off highway.....	front 3,415; rear 8,085
On highway.....	front 3,540; rear 9,410
Tires:	
Ply 8.....	Size 7.50 x 20; Pressure (psi) front 55; rear 45
Tread, center-to-center, front.....	(in.) 60½
Shipping dimensions, uncrated	(cu ft) 1,282; (sq ft) 177
Vehicle dimensions:	
Loading height, empty.....	(in.) 47
Ground clearance.....	(in.) 90¾
Pintle height, loaded.....	(in.) 29
Body inside dimensions (in.):	
Length.....	180
Width.....	70
Height under bows.....	59
Body cargo space.....	(cu ft) 430
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	70
Capacities:	
Fuel.....	(gal) 30
Cooling system.....	(qt) 17½
Crankcase, refill.....	(qt) 5
Transfer.....	(qt) 2
Transmission.....	(qt) 2¾
Axles (each).....	(qt) 7
Brakes:	
Manufacturer: Chevrolet.....	Type: hydrovac
Parking brake, type.....	transfer on ZQ & NP; rear-wheel on YQ

Purpose: To transport general cargo and personnel.

GENERAL DATA—Continued

Transmission:	
Forward speeds.....	4
Gear ratio.....	High 1:1; Low 7.06:1; on early YQ 7.23:1
Transfer:	
Speeds.....	2
Gear ratio.....	High 1:1; Low 1.94:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 36½
Fording depth	(in.) 29
Fuel consumption, loaded:	
W/towed load.....	(mpg) 6½
W/o towed load.....	(mpg) 9
Cruising range, loaded:	
W/towed load.....	(mi) 195
W/o towed load.....	(mi) 270
Allowable speed, governed	(mph) 48
Maximum recommended towed load, gross	(lb) 8,000

ENGINE

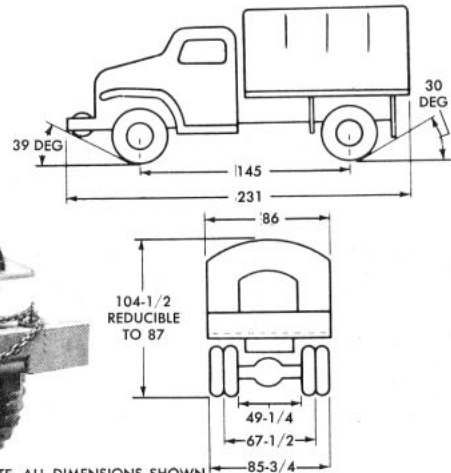
Manufacturer: Chevrolet.....	Model BV-1001 up
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 235.5
Bore	(in.) 3¾
Stroke	(in.) 3¼
Compression ratio	6.62:1
Governed speed	(rpm) 3,100
Brake horsepower (max w/std accessories)	83 at (rpm) 3,100
Torque (max)	184 lb-ft at (rpm) 1,000

ADDITIONAL DATA

Live Axles, type	hypoid, full-floating
Transmission, type	selective sliding-gear

TRUCK, CARGO, 1½-TON, 4 x 4 W/WINCH

(Chevrolet, Models ZP, G4163, 1941; NM, G7117, (1942)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137764

Technical Manuals: 9-805; 9-1765A; 9-1765B; 9-1825A; 9-1827B; Supply Catalog: SNL G-506.

Classification: Standard.

GENERAL DATA

Crew.....	2
Weight (lb).....	Net 8,215
Payload:	
Off highway.....	3,350; Gross 11,565
On highway.....	4,700; Gross 12,915
Live-axle gear ratio.....	6.67:1
Axle load (lb):	
Empty.....	front 3,825; rear 4,390
Loaded:	
Off highway.....	front 4,235; rear 7,330
On highway.....	front 4,395; rear 8,520
Tires:	
Ply 8.....	Size 7.50 x 20; Pressure (psi) front 55; rear 40
Tread, center-to-center, front.....	(in.) 60½
Shipping dimensions, uncrated.....	(cu ft) 1,000; (sq ft) 138
Vehicle dimensions:	
Ground clearance.....	(in.) 9¾
Loading height, empty.....	(in.) 47
Pintle height, loaded.....	(in.) 29
Body inside dimensions (in.):	
Length 108.....	Width 70
Height.....	To roof bows 59; Side rack 36½; Side panels 14
Body cargo space.....	(cu ft) 258
Electrical system.....	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating.....	70
Capacities:	
Fuel.....	(gal) 30
Cooling system.....	(qt) 17¼
Crankcase, refill.....	(qt) 5
Transfer.....	(qt) 2
Transmission w/power take-off.....	(qt) 5
Axles (each).....	(qt) 7
Winch:	
Oil capacity.....	(qt) 1¾
Load capacity.....	(lb) 10,000

Purpose: To transport general cargo and personnel.

GENERAL DATA—Continued

Brakes:	
Manufacturer.....	Chevrolet; Type; hydrovac
Parking brake, type.....	transfer
Transmission:	
Forward speeds.....	4
Gear ratio.....	High 1:1; Low 7.06:1
Transfer:	
Speeds.....	2
Gear ratio.....	High 1:1; Low 1.941:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....	(percent) 65
Turning radius.....	(ft) 31
Fording depth.....	(in.) 29
Fuel consumption, loaded:	
W/towed load.....	(mpg) 6½
W/o towed load.....	(mpg) 9
Cruising range, loaded:	
W/towed load.....	(mi) 195
W/o towed load.....	(mi) 270
Allowable speed, governed.....	(mph) 48
Maximum recommended towed load, gross.....	(lb) 8,000

ENGINE

Manufacturer: Chevrolet.....	Model BV-1001 up
Type.....	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement.....	(cu in.) 235.5
Bore.....	(in.) 3.916
Stroke.....	(in.) 3.154
Compression ratio.....	6.62:1
Governed speed.....	(rpm) 3,100
Brake horsepower (max w/std accessories).....	83 at (rpm) 3,100
Torque (max).....	184 lb-ft at (rpm) 1,000

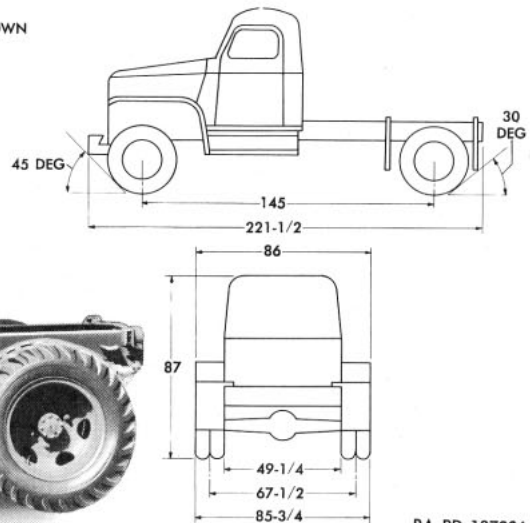
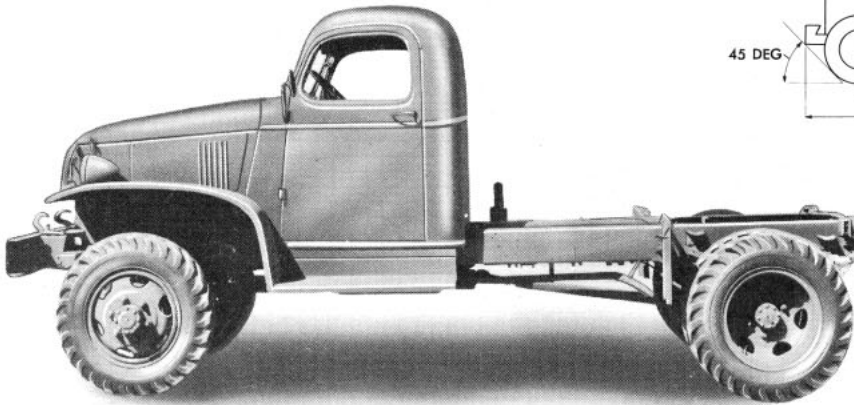
ADDITIONAL DATA

Live Axles, type.....	hypoid, full-floating
Transmission, type.....	selective sliding-gear

TRUCK, CHASSIS, 1½-TON, 4 x 4

(Chevrolet, Models NJ, G7107, 1942; NE, G7103, 1942-43)

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137806

Technical Manuals: 9-805, 9-1765A, 9-1765B, 9-1825A, 9-1827B; Supply Catalog: SNL G-506.

Classification: Nonclassified.

Purpose: For use as component of cargo or special-equipment truck.

GENERAL DATA

Crew	2
Weight (lb)	Net 5,935; Maximum gross 11,500
Live-axle gear ratio	6.67:1
Axle load (lb)	front 3,265; rear 2,670
Tires:	
Ply 8	Size 7.50 x 20; Pressure (psi) front 55; rear 40
Tread, center-to-center, front	(in.) 60½
Shipping dimensions, uncrated	(cu ft) 960; (sq ft) 132
Vehicle dimensions:	
Ground clearance	(in.) 9¾
Pintle height, empty	(in.) 30½
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 30
Cooling system	(qt) 17¼
Crankcase, refill	(qt) 5
Transmission	(qt) 2¾
Transfer	(qt) 2
Axles (each)	(qt) 7
Brakes:	
Manufacturer; Chevrolet	Type; hydraulic
Parking brake, type	transfer
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 7.06:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 1.94:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 31
Fording depth	(in.) 29
Fuel consumption, loaded:	
W/towed load	(mpg) 6½
W/o towed load	(mpg) 9
Cruising range, loaded:	
w/towed load	(mi) 195
W/o towed load	(mi) 270
Allowable speed, governed	(mph) 48
Maximum recommended towed load, gross	(lb) 8,000

ENGINE

Manufacturer; Chevrolet	Model BV 1001 up
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 235.5
Bore	(in.) 3¾
Stroke	(in.) 3¼
Compression ratio	6.62:1
Governed speed	(rpm) 3,100
Brake horsepower (max w/std accessories)	83 at (rpm) 3,100
Torque (max)	184 lb.ft at (rpm) 1,000

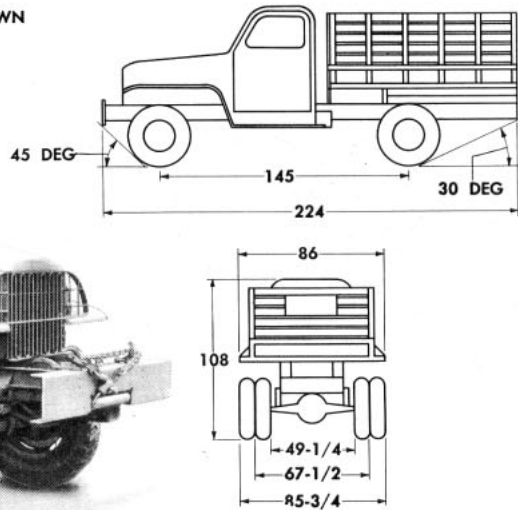
ADDITIONAL DATA

Live axles, type	hypoid, full-floating
Transmission, type	selective sliding-gear

TRUCK, DUMP, 1½-TON, 4 x 4

(Chevrolet, Models YP, G4112, 1941; ZP, G4152, 1941; NH, G7106, 1942)

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137810

Classification: Substitute Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 8,365
Payload:	
Off highway.....	3,350; gross 11,715
On highway.....	4,600; gross 12,965
Axle load (lb):	
Empty.....	front 3,425; rear 4,940
Loaded:	
Off highway.....	front 3,835; rear 7,880
On highway.....	front 3,985; rear 8,980
Live-axle gear ratio	6.67:1
Tires:	
Ply 8.....	Size 7.50 x 20; Pressure (psi) front 55; rear 40
Tread, center-to-center, front.....	(in.) 60½
Shipping dimensions, uncrated	(cu ft) 970; (sq ft) 134
Vehicle dimensions:	
Ground clearance.....	(in.) 9¾
Loading height, empty.....	(in.) 48
Pintle height, loaded.....	(in.) 29
Body inside dimensions (in.):	
Length.....	108
Width.....	70
Height:	
Under bows.....	59
Side panel.....	14
Side rack.....	36½
Body cargo space.....	(cu ft) 258
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	70
Capacities:	
Fuel.....	(gal) 30
Cooling system.....	(qt) 17¼
Crankcase, refill.....	(qt) 5
Transmission w/power take-off.....	(qt) 3¼
Transfer.....	(qt) 2
Axles, each.....	(qt) 7

Purpose: To haul and dump earth, sand, gravel, coal, etc., and transport general cargo.

GENERAL DATA—Continued

Brakes:	
Manufacturer.....	Chevrolet; Type; hydraulic
Parking brake.....	type; transfer on ZP and NH; rear-wheel on YP
Transmission:	
Forward speeds.....	4
Gear ratio.....	High 1:1; Low 7.06:1; on early YP 7.23:1
Transfer:	
Speeds.....	2
Gear ratio.....	High 1:1; Low 1.94:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 31
Fording depth	(in.) 29
Fuel consumption, loaded:	
W/towed load.....	(mpg) 6½
W/o towed load.....	(mpg) 9
Cruising range, loaded:	
W/towed load.....	(mi) 195
W/o towed load.....	(mi) 270
Allowable speed, governed	(mph) 48
Maximum recommended towed load, gross	(lb) 8,000

ENGINE

Manufacturer: Chevrolet.....	Model BV 1001 up
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu. in.) 235.5
Bore	(in.) 3¾
Stroke	(in.) 3½
Compression ratio	6.62:1
Governed speed	(rpm) 3,100
Brake horsepower (max w/std accessories)	83 at (rpm) 3,100
Torque (max)	184 lb-ft at (rpm) 1,000

ADDITIONAL DATA

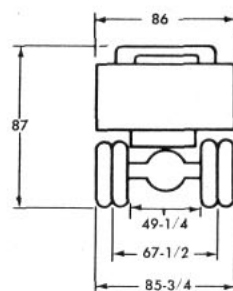
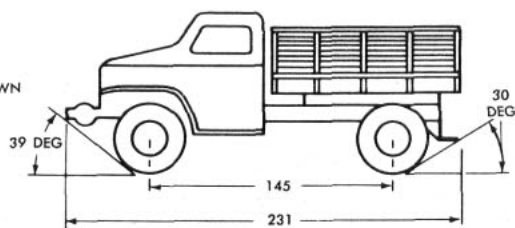
Live axles, type	hypoid, full-floating
Transmission, type	selective sliding gear

TRUCK, DUMP, 1½-TON, 4 x 4, W/WINCH

(Chevrolet, Models ZP, G4162, 1941; NL, G7116, 1942)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137855

Technical Manuals: 9-805, 9-1765A, 9-1765B, 9-1825A; 9-1827B, 9-1829A; Supply Catalog: SNL G-506.

Classification: Substitute Standard.

Purpose: To transport and dump earth, sand, gravel, coal, etc., and to carry general cargo.

GENERAL DATA

Crew	2
Weight (lb)	Net 9,010
Payload:	
Off highway.....	3,350; gross 12,360
On highway.....	3,900; gross 12,910
Live-axle gear ratio	6.67:1
Axle load (lb):	
Empty.....	front 4,040; rear 4,970
Loaded:	
Off highway.....	front 4,450; rear 7,910
On highway.....	front 4,520; rear 8,390
Tires:	
Ply 8.....	Size 7.50 x 20; Pressure (psi) front 55; rear 40
Tread, center-to-center, front.....	(in.) 60½
Shipping dimensions, uncrated	(cu ft) 1,000; (sq ft) 138
Vehicle dimensions:	
Ground clearance.....	(in.) 9¾
Loading height, empty.....	(in.) 48
Pintle height, loaded.....	(in.) 29
Body inside dimensions (in.):	
Length.....	108
Width.....	70
Height:	
To roof bows.....	59
Side panels.....	14
Side rack.....	36½
Body cargo space.....	(cu ft) 258
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	70
Capacities:	
Fuel.....	(gal) 30
Cooling system.....	(qt) 17¼
Crankcase, refill.....	(qt) 5
Transmission w/power take-off.....	(qt) 5¼
Axles (each).....	(qt) 7
Winch:	
Oil capacity.....	(qt) 1¾
Load capacity.....	(lb) 10,000

GENERAL DATA—Continued

Brakes:	
Manufacturer.....	Chevrolet; Type; hydrovac
Parking brake, type.....	transfer
Transmission:	
Forward speeds.....	4
Gear ratio.....	High 1:1; Low 7.06:1
Transfer:	
Speeds.....	2
Gear ratio.....	High 1:1; Low 1.941:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 31
Fording depth	(in.) 29
Fuel consumption, loaded:	
W/towed load.....	(mpg) 6½
W/o towed load.....	(mpg) 9
Cruising range, loaded:	
W/towed load.....	(mi) 195
W/o towed load.....	(mi) 270
Allowable speed, governed	(mph) 48
Maximum recommended towed load, gross	(lb) 8,000

ENGINE

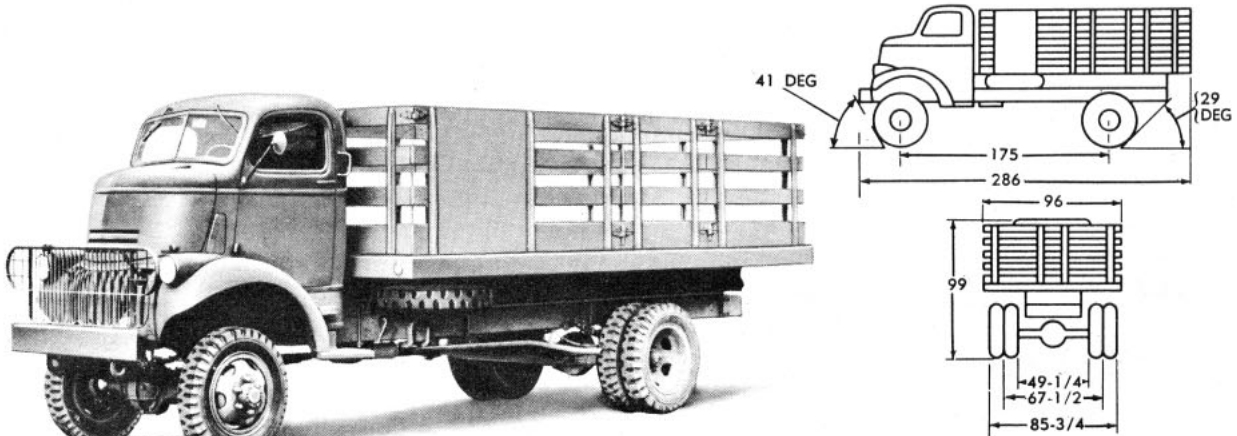
Manufacturer: Chevrolet.....	Model BV-1001 up
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 235.5
Bore	(in.) 3¾
Stroke	(in.) 3½
Compression ratio	6.62:1
Governed speed	(rpm) 3,100
Brake horsepower (max w/std accessories)	83 at (rpm) 3,100
Torque (max)	184 lb-ft at (rpm) 1,000

ADDITIONAL DATA

Live axles, type	hypoid, full-floating
Transmission, type	selective sliding-gear

TRUCK, STAKE AND PLATFORM, 1½-TON, 4 x 4

(Chevrolet, Models YX, G4103, 1941; NN, G-7123, 1942-43, COE)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172693

Technical Manuals: 9-805, 9-1765A, 9-1765B, 9-1825A, 9-1827B; Supply Catalog: SNL G-506.

Classification: Limited Standard.

Purpose: To transport general cargo.

GENERAL DATA

Crew.....	2
Weight (lb).....	Net 8,570
Payload:	
Off highway.....	3,350; gross 11,920
On highway.....	4,400; gross 12,970
Live-axle gear ratio.....	6.67:1
Axle load (lb):	
Empty.....	front 4,070; rear 4,500
Loaded:	
Off highway.....	front 4,775; rear 7,145
On highway.....	front 4,995; rear 7,975
Tires:	
Ply 8.....	Size 7.50 x 20; Pressure (psi) front 55; rear 40
Tread, center-to-center, front.....	(in.) 60½
Shipping dimensions, uncrated.....	(cu ft) 1,631; (sq ft) 198
Vehicle dimensions:	
Ground clearance.....	(in.) 9¾
Pintle height, loaded.....	(in.) 28½
Loading height.....	(in.) 52
Body inside dimensions (in.):	
Length.....	193; Width 89¼; Height 42
Body cargo space.....	(cu ft) 416
Electrical system.....	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating.....	70
Capacities:	
Fuel.....	(gal) 30
Cooling system.....	(qt) 16
Crankcase, refill.....	(qt) 5
Transfer.....	(qt) 2
Transmission.....	(qt) 2¾
Axles (each).....	(qt) 7
Brakes:	
Manufacturer: Chevrolet.....	Type; hydrovac
Parking brake, type: transfer on NN.....	rear-wheel on YX

GENERAL DATA—Continued

Transmission:	
Forward speeds.....	4
Gear ratio.....	High 1:1; Low 7.06:1
Transfer:	
Speeds.....	2
Gear ratio.....	High 1:1; Low 1.94:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....	(percent) 65
Turning radius.....	(ft) 36½
Fuel consumption, loaded:	
W/towed load.....	(mpg) 5½
W/o towed load.....	(mpg) 8
Cruising range, loaded:	
W/towed load.....	(mi) 165
W/o towed load.....	(mi) 240
Fording depth.....	(in.) 29
Allowable speed, governed.....	(mph) 43
Maximum recommended to wed load, gross.....	(lb) 8,000

ENGINE

Manufacturer: Chevrolet.....	Model BVA-1001 up
Type.....	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement.....	(cu in.) 235.5
Bore.....	(in.) 3¾
Stroke.....	(in.) 3½
Compression ratio.....	6.62:1
Governed speed.....	(rpm) 2,850
Brake horsepower (max w/std accessories).....	.82 at (rpm) 3,000
Torque (max).....	183 lb-ft at (rpm) 1,000

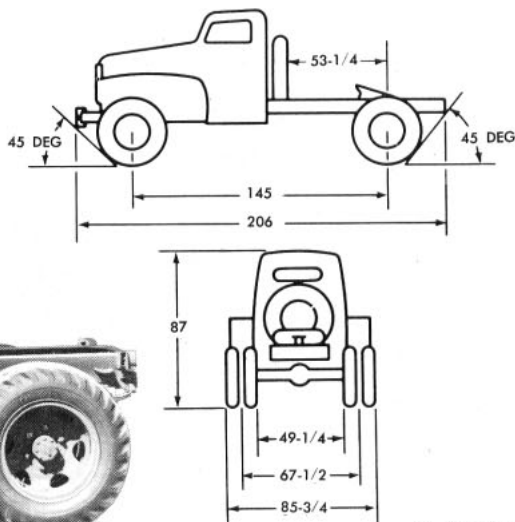
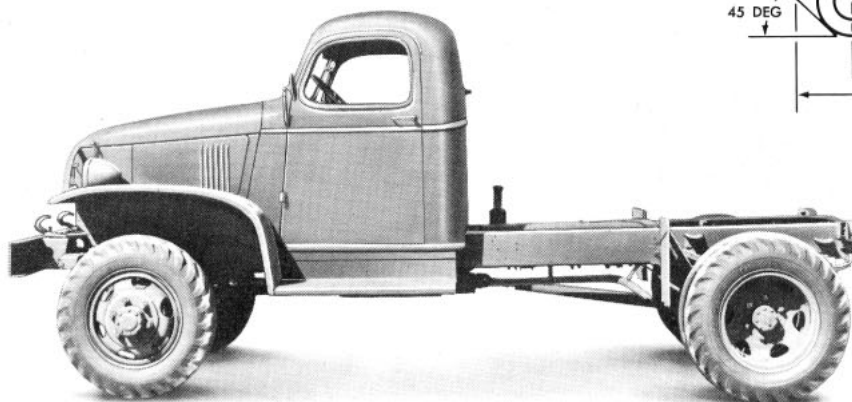
ADDITIONAL DATA

Gas-tank filler neck extends 3¼ in. beyond over-all width.	
Live axles, type.....	hypoid, full-floating
Transmission, type.....	selective sliding-gear

TRUCK, TRACTOR, 1½-TON, 4 x 4

(Chevrolet, Model NK, G7113, 1942)

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137841

Technical Manuals: 9-805, 9-1765A, 9-1765B, 9-1825A, 9-1827B; Supply Catalog: SNL G-506.

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 6,140
Payload	off highway 4,830; on highway 6,845
Gross	off highway 10,970; on highway 12,985
Live-axle gear ratio	6.67:1
Axle load (lb):	
Empty	front 3,255; rear 2,905
Loaded:	
Off highway	front 3,510; rear 7,480
On highway	front 3,605; rear 9,400
Tires:	
Ply 8	Size 7.50 x 20; Pressure (psi) front 55; rear 40
Tread, center-to-center, front	(in.) 60½
Shipping dimensions, uncrated	(cu ft) 890; (sq ft) 123
Vehicle dimensions:	
Ground clearance	(in.) 9¾
Pintle height, empty	(in.) 30
Center of fifth wheel to center of rear axle	(in.) 37½
Height to center of fifth wheel	(in.) 42
Height to rear of fifth wheel	(in.) 35
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 30
Cooling system	(qt) 17¼
Crankcase, refill	(qt) 5
Transfer	(qt) 2
Transmission	(qt) 2¾
Axles (each)	(qt) 7
Brakes:	
Manufacturer	Chevrolet; Type; hydrovac
Parking brake, type	transfer

Purpose: To tow semitrailers.

GENERAL DATA—Continued

Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 7.06:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 1.941:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 31
Fuel consumption:	
W/towed load	(mpg) 6
W/o towed load	(mpg) 9
Cruising range:	
W/towed load	(mi) 180
W/o towed load	(mi) 270
Fording depth	(in.) 29
Allowable speed, governed	(mph) 48
Maximum semitrailer, gross	(lb) 12,000

ENGINE

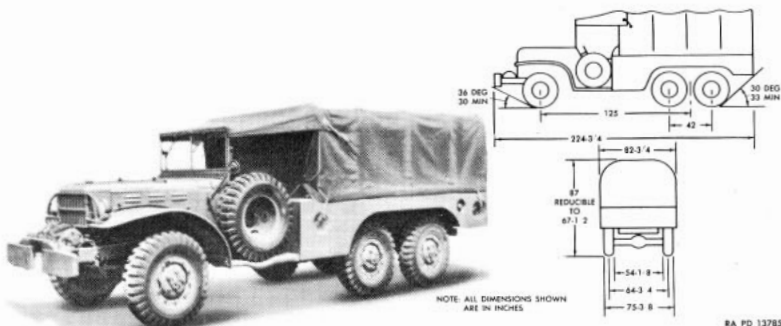
Manufacturer	Chevrolet; Model BV-1001 up
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 235.5
Bore	(in.) 3¾
Stroke	(in.) 3½
Compression ratio	6.62:1
Governed speed	(rpm) 3,100
Brake horsepower (max w/std accessories)	83 at (rpm) 3,100
Torque (max)	184 lb-ft at (rpm) 1,000

ADDITIONAL DATA

Live Axles, type	hypoid, full-floating
Transmission, type	selective sliding-gear

TRUCK, PERSONNEL AND CARGO, 1½-TON, 6 x 6

(Dodge, Models WC62 and WC63, T223, 1943)



Technical Manuals: 9-810, 9-1808A, 9-1808B, 9-1825A, 9-1826A, 9-1826C; Supply Catalog: SNL G-507.

Vehicle illustrated: Model WC63, T223, 1943.
Classification: Standard.

GENERAL DATA

Crew	2; Passengers (including crew) 17
Weight (lb)	Net 7,550
Payload:	
Off highway	gross 10,850
On highway	gross 12,450
Live-axle gear ratio	5.83:1
Axle load (lb):	
Empty	front 3,314; rear (each) 2,118
Loaded:	
Off highway	front 3,414; rear (each) 3,718
On highway	front 3,460; rear (each) 4,495
Tires:	
Ply 8	Size 9.00 x 16; Pressure (psi) 40
Tread, center-to-center, front	(in.) 64¾
Shipping dimensions, uncrated:	
W/winch	(cu ft) 937; (sq ft) 130
W/o winch	(cu ft) 895; (sq ft) 124
Vehicle dimensions:	
Ground clearance	(in.) 10½
Loading height, empty	(in.) 31
Pintle height:	
Loaded	(in.) 27
Empty	(in.) 28
Body inside dimensions (in.):	
Length	120
Width	48¾
Height, under bows	54
Body cargo space	(cu ft) 181
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 30
Cooling system	(qt) 17
Crankcase, refill	(qt) 5
Transfer	(qt) 2½
Transmission (qt):	
W/power take-off	3½
W/o power take-off	2¾
Axles (each)	(qt) 2½
Winch:	
Oil capacity	(qt) 1
Load capacity	(lb) 7,500
Brakes:	
Manufacturer: Dodge	Type: hydraulic
Parking brake, type	transfer

Purpose: To transport personnel and general cargo.

GENERAL DATA—Continued

Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 6.40:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; * Low 1.50:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) b 55
Turning radius	(ft) 27
Fording depth	(in.) 24
Fuel consumption, loaded	(mpg) 8
Cruising range, loaded	(mi) 240
Allowable speed, governed	(mph) 50
Maximum recommended towed load, gross	(lb) 8,000

ENGINE

Manufacturer: Dodge	Model T-223
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 230.2
Bore	(in.) 3¼
Stroke	(in.) 4½
Compression ratio	6.7:1
Governed speed	(rpm) 3,200
Brake horsepower (max w/std accessories)	76 at (rpm) 3,200
Torque (max w/std accessories)	180 lb-ft at (rpm) 1,200

ADDITIONAL DATA

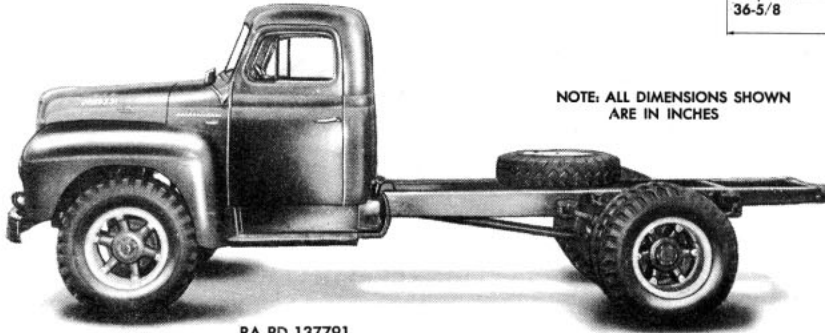
Data given for Model WC63 w/winch; for Model WC62 w/o winch changes in data are as follows:

Over-all length	(in.) 215
Weight (lb):	
Net	7,250
Gross:	
Off highway	10,550
On highway	12,450
Axle load (lb):	
Empty	front 2,970; rear (each) 2,140
Loaded:	
Off highway	front 3,070; rear (each) 3,740
On highway	front 3,130; rear (each) 4,660
Live Axles, type	hypoid, full-floating
Transmission, type	selective sliding-gear

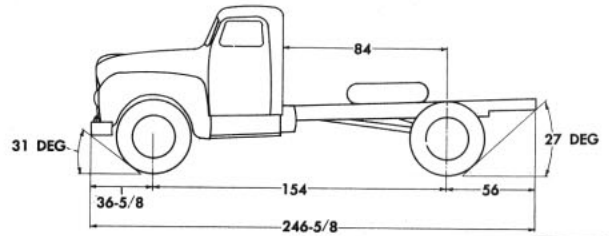
* 1.96:1 on last production.

b 57 percent w/1.96:1 ratio in transfer.

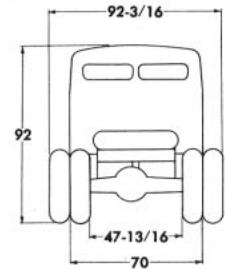
TRUCK, CHASSIS, 2½-TON, 4 x 2 (International Harvester, Model L-171)



RA PD 137791



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



Classification: Standard.

GENERAL DATA

Crew.....	1
Weight (lb).....	Net 6,080; Maximum gross 17,500
Rear-axle gear ratio (two-speed).....	High 6.33:1; Low 8.81:1
Axle load (lb).....	Front 3,445; Rear 2,635
Tires:	
Ply 10.....	Size 9.00 x 20; Pressure (psi) 65
Tread, center-to-center, front.....	(in.) 64½
Shipping dimensions uncrated.....	(cu ft) 1,210; (sq ft) 157
Ground clearance.....	(in.) 10¾
Electrical system.....	
(volts) 6	
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating.....	72
Capacities:	
Fuel.....	(gal) 20
Cooling system.....	(qt) 21
Crankcase, refill.....	(qt) 7
Transmission.....	(qt) 5¾
Rear axle.....	(qt) 5½
Brakes:	
Manufacturer.....	Wagner; Type; hydraulic
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	5
Gear ratio.....	High 1:1; Fourth 1.42:1; Low 7.35:1

Purpose: To be used as component of general-purpose or special-equipment truck.

PERFORMANCE

Computed grade ability in lowest gear, loaded.....	(percent) 42
Turning radius.....	(ft) 27½
Fording depth.....	(in.) 25
Fuel consumption, loaded.....	(mpg) 5½
Cruising range, loaded.....	(mi) 110
Allowable speed, governed.....	(mph) 53

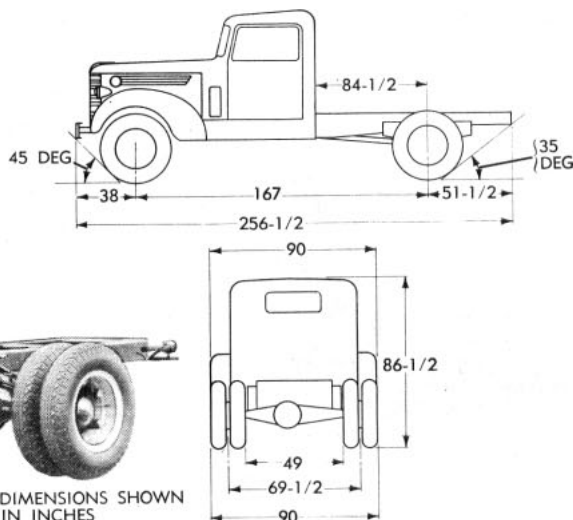
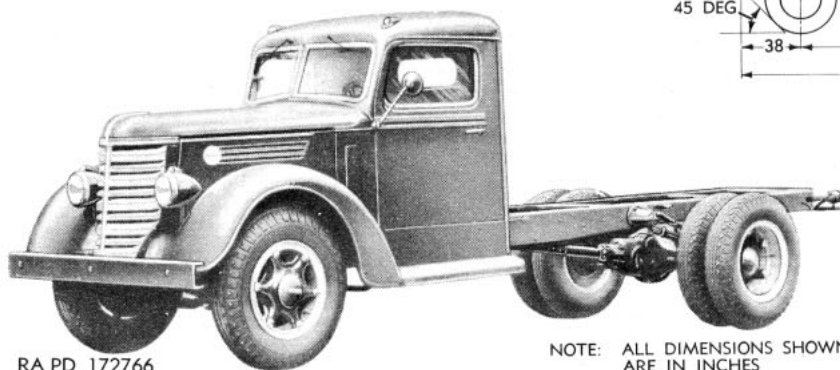
ENGINE

Manufacturer: International Harvester.....	Model BD-269
Type.....	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement.....	(cu in.) 269.1
Bore.....	(in.) 3¾
Stroke.....	(in.) 4½
Compression ratio.....	6.3:1
Governed speed.....	(rpm) 3,000
Brake horsepower (max w/std accessories).....	88 at (rpm) 2,800
Torque (max).....	216 lb-ft at (rpm) 1,000

ADDITIONAL DATA

Rear Axle, type.....	two-speed spiral-bevel, full-floating
Transmission, type.....	synchromesh

TRUCK, CHASSIS, 2½-TON, 4 x 2 AND TRUCK, TRACTOR, 2½-TON, 4 x 2 (Federal, Model 25M2)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Vehicle illustrated: Chassis.
Classification: Standard.

GENERAL DATA

Crew.....	2
Weight (lb).....	Net 5,745
Maximum gross.....	(lb) 16,500
Rear-axle gear ratio.....	8.15:1
Axle load (lb):	
Empty.....	front 3,050; rear 2,695
Loaded.....	front 4,000; rear 12,500
Tires:	
Ply 12.....	Size 9.00 x 20; Pressure (psi) 65
Tread, center-to-center, front.....	(in.) 63½
Shipping dimensions, uncrated.....	(cu ft) 1,150; (sq ft) 159
Vehicle dimensions:	
Ground clearance.....	(in.) 10½
Frame height.....	(in.) 32
Electrical system.....	(volts) 6
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating.....	72
Capacities:	
Fuel.....	(gal) 26
Cooling system.....	(qt) 23
Crankcase, refill.....	(qt) 9
Transmission.....	(qt) 6½
Rear axle.....	(qt) 10
Brakes:	
Manufacturer:	
Front.....	Lockheed; Type; hydrovac
Rear.....	Timken
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	5
Gear ratio.....	High 1:1; Fourth 1.48:1; Low 7.58:1

Purpose: Chassis; to be used as component of general-purpose or special equipment-vehicle. Tractor; to tow semitrailers.

PERFORMANCE

Computed grade ability in lowest gear w/maximum load.....	(percent) 34
Turning radius.....	(ft) 31
Fuel consumption, loaded.....	(mpg) 6
Cruising range, loaded.....	(mi) 156
Allowable speed, governed.....	(mph) 50

ENGINE

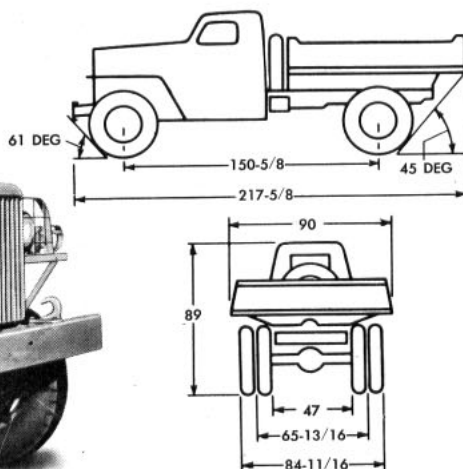
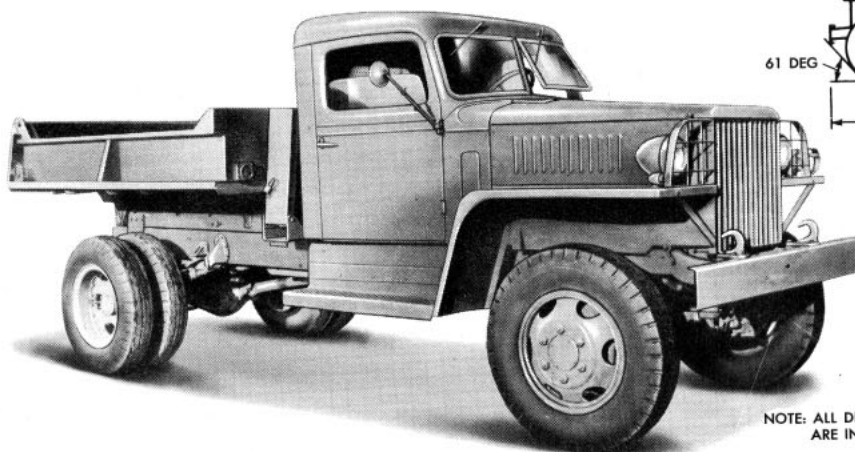
Manufacturer: Hercules.....	Model 5XCF
Type.....	4-cycle, L-head; No. of cylinders (in line) 6
Displacement.....	(cu in.) 282
Bore.....	(in.) 3¾
Stroke.....	(in.) 4¼
Compression ratio.....	6.5:1
Governed speed.....	(rpm) 3,000
Brake horsepower (max w/std accessories).....	102 at (rpm) 3,000
Torque (max w/std accessories).....	212 lb-ft at (rpm) 1,400

ADDITIONAL DATA

Rear axle, type.....	hypoid, full-floating
Transmission, type.....	constant-mesh
Data given for chassis; changes in data for tractor truck are as follows:	
Over-all length.....	(in.) 200
Shipping dimensions, uncrated.....	(cu ft) 900; (sq ft) 125
Brakes:	
Service: Manufacturer; Bendix-Westinghouse.....	Type; air
Maximum semitrailer, gross.....	(lb) 25,000
Maximum computed grade ability in lowest gear w/loaded semitrailer.....	(percent) 14
Wheel base.....	(in.) 139
Chassis overhang, rear.....	(in.) 23
Distance from rear of cab to center of rear axle.....	(in.) 60½
Height to center of fifth wheel, empty.....	(in.) 39
Height to rear of fifth wheel, empty.....	(in.) 33
Fifth wheel mounted forward of rear axle.....	(in.) 3

TRUCK, DUMP, 2½-TON, 4 x 2

(Federal, Model 2G)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172632

Technical Manuals: 9-821, 9-1821, 9-1825B, 9-1826A, 9-1827B, 9-1827C, 9-1828A, 9-1829A, 9-1832A; Supply Catalog: SNL G-539

Classification: Standard.

Purpose: To transport and dump earth, sand, gravel, etc, and to transport general cargo.

GENERAL DATA

Crew	2
Weight (lb):	
Net	7,975
Payload	Off highway 5,000; on highway 7,525
Gross	Off highway 12,975; on highway 15,500
Rear-axle gear ratio	7.4:1
Axle load (lb):	
Empty	front 3,425; rear 4,550
Loaded:	
Off highway	front 3,830; rear 9,145
On highway	front 4,130; rear 11,370
Tires:	
Ply 10	Size 8.25 x 20; Pressure (psi) 60
Tread, center-to-center, front	(in.) 63½
Shipping dimensions, uncrated	(cu ft) 1,010; (sq ft) 137
Vehicle dimensions:	
Ground clearance	(in.) 9¾
Pintle height, loaded	(in.) 31
Body inside dimensions (in.):	
Length	96
Struck capacity	(cu yd) 2
Electrical system	(volts) 6
No. of batteries	1
Fuel octane rating	72
Capacities:	
Fuel	(gal) 40
Cooling system	(qt) 22
Crankcase, refill	(qt) 6
Transmission	(qt) 7
Rear axle	(qt) 7½
Brakes:	
Manufacturer	Timken-Bendix; Type; hydraulic
Parking brake, type	transmission
Transmission:	
Speeds	5
Gear ratio	High 0.799:1; Fourth 1:1; Low 6.06:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 43
Turning radius	(ft) 25
Fording depth	(in.) 24
Fuel consumption, loaded	(mpg) 6¼
Cruising range, loaded	(mi) 250
Allowable speed, governed	(mph) 51
Maximum recommended towed load:	
Off highway, gross	(lb) 4,500
On highway, gross	(lb) 7,500

ENGINE

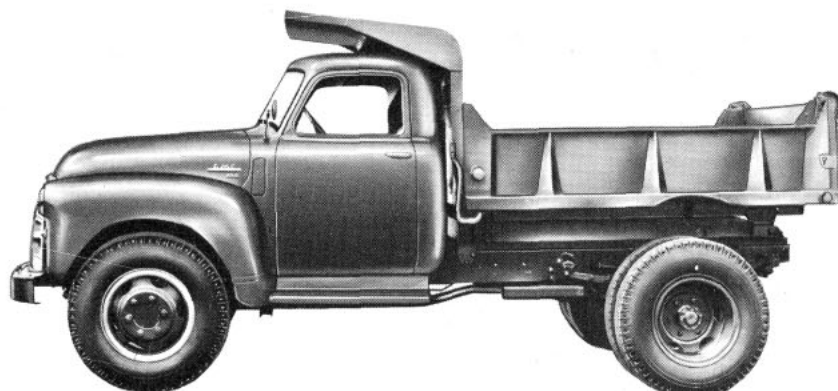
Manufacturer: Hercules	Model JXD
Type	4-cycle, L-head; No. of cylinders (in line) 6
Displacement	(cu in.) 320
Bore	(in.) 4
Stroke	(in.) 4¼
Compression ratio	5.9:1
Governed speed	(rpm) 2,800
Brake horsepower (max w/std accessories)	.86 at (rpm) 2,400
Torque (max w/std accessories)	228 lb-ft at (rpm) 1,200

ADDITIONAL DATA

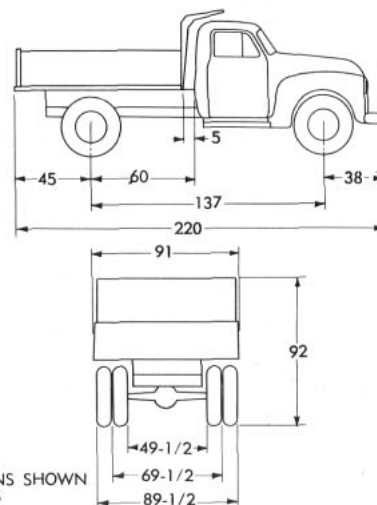
Rear Axle, type	spiral-bevel, full-floating
Transmission, type	selective sliding-gear

TRUCK, DUMP, 2½-TON, 4 x 2

(GMC, Model HC-451)



RA PD 172749



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 8,135
Payload	Off highway 5,000; on highway 9,865
Gross	Off highway 13,135; on highway 18,000
Rear-axle gear ratio (two-speed)	High 6.50:1; Low 9.04:1
Axle load (lb):	
Empty	front 3,170; rear 4,965
Loaded:	
Off highway	front 3,445; rear 9,690
On highway	front 3,720; rear 14,280
Tires:	
Ply 10	Size 9.00 x 20; Pressure (psi) 65
Tread, center-to-center, front	(in.) 61½
Shipping dimensions, uncreated	(cu ft) 1,070; (sq ft) 139
Vehicle dimensions:	
Ground clearance	(in.) 9
Body inside dimensions (in.):	
Length	96; Width 78; Height 17
Struck capacity	(cu yds) 2½
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 17½
Cooling system	(qt) 18
Crankcase, refill	(qt) 10½
Transmission	(qt) 6
Rear axle	(qt) 10
Brakes:	
Manufacturer	GMC; Type; hydrovac
Parking brake, type	transmission
Transmission:	
Forward speeds	5
Gear ratio	High 1:1; Fourth 1.72:1; Low 7.58:1

Purpose: To transport and dump earth, sand, gravel, etc, and to transport general cargo.

PERFORMANCE

Computed grade ability in lowest gear w/off-highway load	(percent) 45
Turning radius	(ft) 25
Fording depth	(in.) 26
Fuel consumption, loaded	(mpg) 7½
Cruising range, loaded	(mi) 130
Allowable speed, governed	(mph) 55

ENGINE

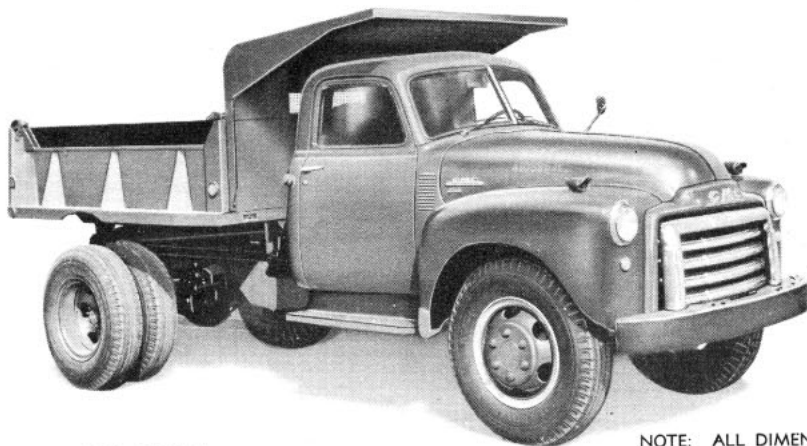
Manufacturer: GMC	Model 270
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu. in.) 269.5
Bore	(in.) 3½½
Stroke	(in.) 4
Compression ratio	7.2:1
Governed speed	(rpm) 3,200
Brake horsepower (max w/std accessories)	115 at (rpm) 3,200
Torque (max w/std accessories)	226 lb-ft at (rpm) 2,000

ADDITIONAL DATA

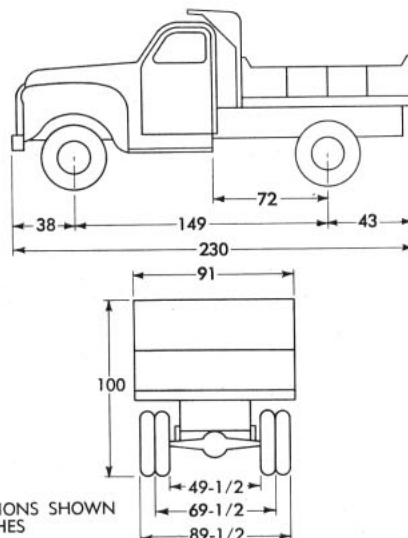
Rear axle, type	two-speed, full-floating
Transmission, type	constant-mesh

TRUCK, DUMP, 2½-TON, 4 x 2

(GMC, Model HC-452, 1950)



RA PD 172716



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 8,371
Payload.....	Off highway 5,000; on highway 9,629
Gross.....	Off highway 13,371; on highway 18,000
Rear-axle gear ratios (2-speed)	High 6.50:1; Low 9.04:1
Axle load (lb):	
Empty.....	front 3,298; rear 5,073
Loaded:	
Off highway.....	front 3,618; rear 9,753
On highway.....	front 4,000; rear 14,000
Tires:	
Ply 10.....	Size 9.00 x 20; Pressure (psi) 65
Tread, center-to-center, front.....	(in.) 61¾
Shipping dimensions, uncrated	(cu ft) 1,210; (sq ft) 145
Vehicle dimensions:	
Ground clearance.....	(in.) 5
Pintle height, empty.....	(in.) 27
Body inside dimensions:	
Length.....	96; Width 72; Height 17
Cargo space.....	(cu ft) 68
Struck capacity.....	(cu yds) 2½
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 17½
Cooling system.....	(qt) 18
Crankcase, refill.....	(qt) 10½
Transmission.....	(qt) 6
Rear axle.....	(qt) 10
Brakes:	
Manufacturer.....	GMC; Type; hydrovac
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	5
Gear ratio.....	High 1:1; Fourth 1.72:1; Low 7.58:1

Purpose: To transport and dump earth, sand, gravel, coal, etc., and to carry general cargo.

PERFORMANCE

Computed grade ability in lowest gear w/off highway load	(percent) 58
Turning radius	(ft) 25
Fording depth	(in.) 26
Fuel consumption, loaded	(mpg) 7½
Cruising range, loaded	(mi) 130
Allowable speed, governed	(mph) 55
Maximum pintle tow:	
Off highway gross (lb).....	10,000
On highway gross (lb).....	5,000

ENGINE

Manufacturer: GMC.....	Model 270
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 270
Bore	(in.) 3½½
Stroke	(in.) 4
Compression ratio	7.2:1
Governed speed	(rpm) 3,200
Brake horsepower (max w/std accessories)	115 at (rpm) 3,200
Torque (max w/std accessories)	226 lb-ft at (rpm) 2,000

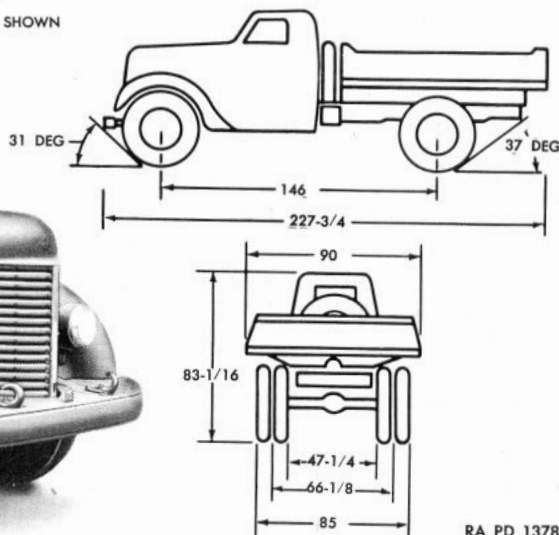
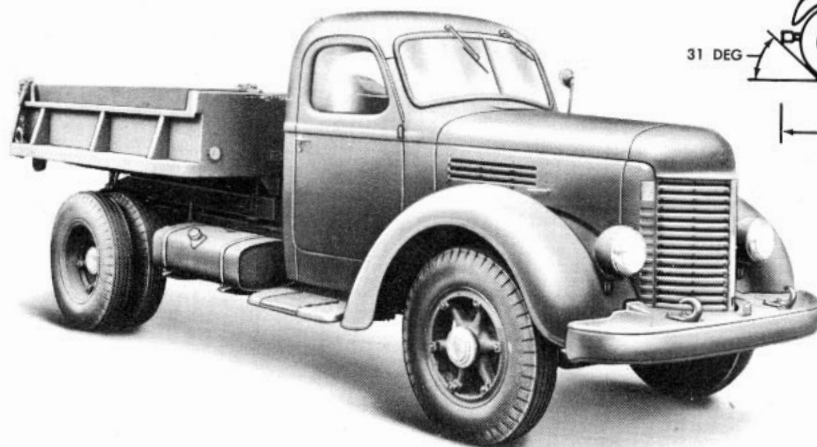
ADDITIONAL DATA

Rear Axle, type	two-speed, spiral-bevel, full-floating
Transmission type	synchromesh

TRUCK, DUMP, 2½-TON, 4 x 2

(International Harvester, Model K7, 1942-43)

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137851

Technical Manuals: 9-822, 9-1822, 9-1825A, 9-1827B, 9-1827C, 9-1828A; Supply Catalog: SNL G-541.

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 7,850
Payload:	
Off highway	5,000; gross 12,850
On highway	7,600; gross 15,450
Rear-axle gear ratio	7.16:1
Axle load (lb):	
Empty	front 3,565; rear 4,285
Loaded:	
Off highway	front 3,600; rear 9,250
On highway	front 3,620; rear 11,830
Tires:	
Ply 10	Size 8.25 x 20; Pressure (psi) 60
Tread, center-to-center, front	(in.) 65 1/4
Shipping dimensions, uncrated	(cu ft) 989; (sq ft) 143
Vehicle dimensions:	
Ground clearance	(in.) 10 1/4
Loading height, empty	(in.) 45 1/4
Pintle height, loaded	(in.) 27 3/4
Body inside dimensions (in.):	
Length	96; Width 78; Height 12
Struck capacity	(cu yd) 1.93
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 31
Cooling system	(qt) 23 1/4
Crankcase	(qt) 6 1/4
Transmission, w/power take-off	(qt) 6
Rear axle	(qt) 3 1/4
Brakes:	
Manufacturer; Wagner	Type; hydraulic-vacuum
Parking brake, type	transmission
Transmission:	
Forward speeds	5
Gear ratio	High 0.823:1; Fourth 1:1; Low 6.525:1

Purpose: To haul and dump earth, sand, gravel, etc., and to transport general cargo.

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 43
Turning radius	(ft) 25 3/4
Fording depth	(in.) 30 1/4
Fuel consumption, loaded	(mpg) 9 1/2
Cruising range, loaded	(mi) 290
Allowable speed, governed	(mph) 55
Maximum recommended towed load, gross	(lb) 10,000

ENGINE

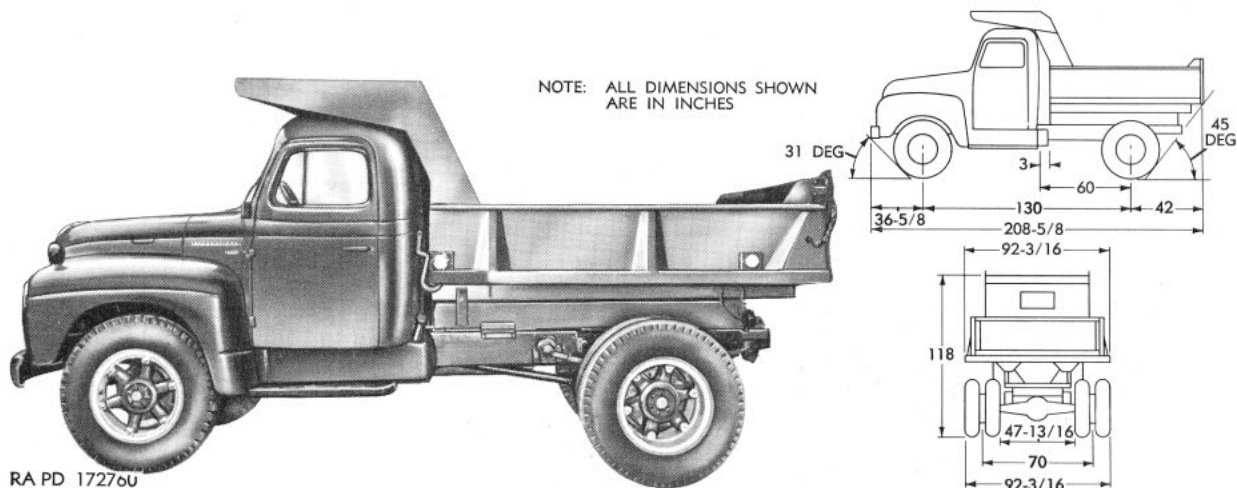
Manufacturer: IHC	Model, BLD-269
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 269.1
Bore	(in.) 3 9/16
Stroke	(in.) 4 1/2
Compression ratio	6.3:1
Governed speed	(rpm) 3,000
Brake horsepower (max w/std accessories)	88 at (rpm) 2,800
Torque (max)	216 lb-ft at (rpm) 1,000

ADDITIONAL DATA

Rear Axle, type	spiral-bevel, full-floating
Transmission, type	selective sliding-gear

TRUCK, DUMP, 2½-TON, 4 x 2

(International Harvester, Model L-171)



RA PD 17276U

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 8,630
Payload.....	Off highway 5,000; on highway 9,070
Gross.....	Off highway 13,630; on highway 17,700
Rear-axle gear ratio (2-speed)	High 6.166:1; Low 8.577:1
Axle load (lb):	
Empty.....	front 3,755; rear 4,875
Loaded:	
Off highway.....	front 4,205; rear 9,425
On highway.....	front 4,575; rear 13,125
Tires:	
Ply 10.....	Size 9.00 x 20; Pressure (psi) 65
Tread, center-to-center, front.....	(in.) 64½
Shipping dimensions, uncrated	(cu ft) 1,320; (sq ft) 134
Vehicle dimensions:	
Ground clearance.....	(in.) 10
Body inside dimensions (in.):	
Length.....	96; Width 78; Height 17
Struck capacity.....	(cu yds) 2½
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 21
Cooling system.....	(qt) 21½
Crankcase, refill.....	(qt) 7
Transmission.....	(qt) 6
Rear axle.....	(qt) 7¾
Brakes:	
Manufacturer.....	Bendix-Wagner; Type; hydrovac
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	5
Gear ratio.....	High 1:1; Fourth 1.42:1; Low 7.35:1

Purpose: To haul and dump earth, sand, gravel, coal, etc, and to transport general cargo.

PERFORMANCE

Computed grade ability in lowest gear w/off-highway load	(percent) 52
Turning radius	(ft) 24
Fording depth	(in.) 25
Fuel consumption, loaded	(mpg) 5½
Cruising range, loaded	(mi) 115
Allowable speed, governed	(mph) 50

ENGINE

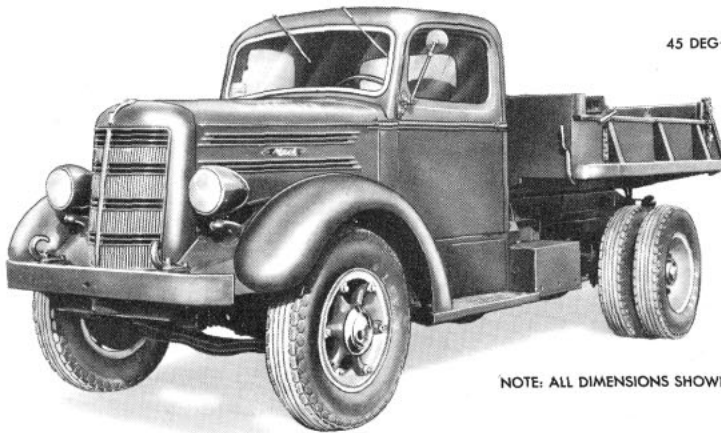
Manufacturer: IHC.....	Model BD-269
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 269
Bore	(in.) 3¾
Stroke	(in.) 4½
Compression ratio	6.3:1
Governed speed	(rpm) 2,800
Brake horsepower (max w/std accessories)	89 at (rpm) 2,800
Torque (max w/std accessories)	217 lb-ft at (rpm) 1,000

ADDITIONAL DATA

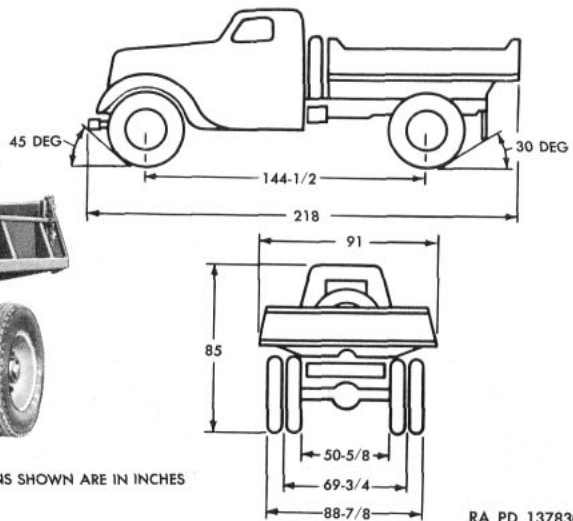
Rear axle, type	2-speed, full-floating
Transmission, type	synchronesh
Dump bodies as follows: Daybrook, Model A54 w/model 7-DLH hoist; Anthony Model D-6 w/model 620-7 in hoist; Galion Model 12 w/model GS-567-A hoist.	

TRUCK, DUMP, 2½-TON, 4 x 2

(Mack, Model EES, 1940)



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES



RA PD 137830

Supply Catalog: SNL G-624.

Classification: Nonclassified.

Purpose: To haul and dump earth, sand, gravel, coal, etc.

GENERAL DATA

Crew	2
Weight (lb)	Net 8,450
Payload:	
Off highway	5,000; gross 13,450
On highway	7,000; gross 15,450
Axle load (lb):	
Empty	front 3,585; rear 4,865
Loaded:	
Off highway	front 4,120; rear 9,330
On highway	front 4,335; rear 11,115
Tires:	
Ply 10; Size 8.25 x 20; Pressure	(psi) 60
Tread, center-to-center, front	(in.) 63
Shipping dimensions, uncrated	(cu ft) 978; (sq ft) 138
Vehicle dimensions:	
Loading height, empty	(in.) 32½
Ground clearance	(in.) 9
Pintle height, loaded	(in.) 25
Body inside dimensions (in.):	
Length	96
Width	78
Height	12
Struck capacity	(cu yd) 1.93
Electrical system	(volts) 6
No. of batteries	1
Type of ground	positive
Fuel octane rating	70
Capacities:	
Fuel	(gal) 24
Cooling system	(qt) 28
Crankcase, refill	(qt) 13
Transmission w/PTO	(qt) 6
Rear axle	(qt) 13

GENERAL DATA—Continued

Brakes:	
Manufacturer: Wagner	Type: hydraulic
Parking brake, type	transmission
Transmission:	
Forward speeds	5
Gear ratio	High 1:1; Fourth 1.41:1; Low 7.53:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 45
Turning radius (ft)	Right 27½; Left 29
Fording depth	(in.) 38½
Fuel consumption, loaded	(mpg) 7
Cruising range, loaded	(mi) 168
Allowable speed, governed	(mph) 45
Maximum recommended towed load, gross	(lb) 10,000

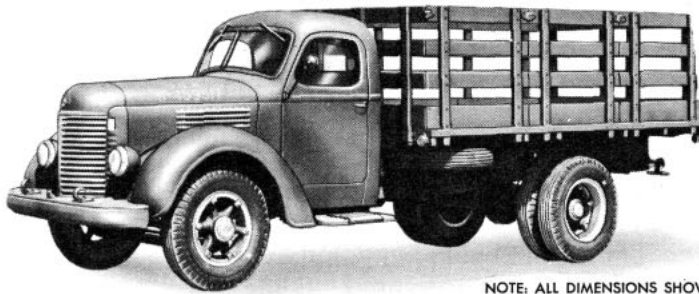
ENGINE

Manufacturer: Mack	Model FK
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 290
Bore	(in.) 3¼
Stroke	(in.) 4¾
Compression ratio	6.00:1
Governed speed	(rpm) 2,750
Brake horsepower (max w/std accessories)	91 at (rpm) 2,750
Torque (max)	200 lb-ft at (rpm) 1,000

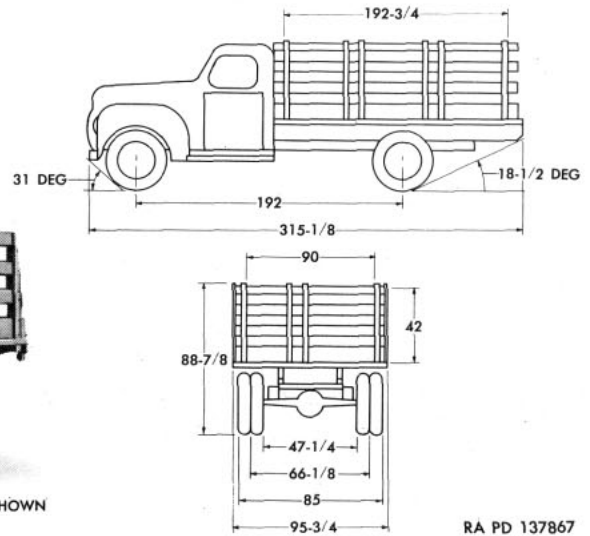
ADDITIONAL DATA

Rear axle, type	spiral-bevel, full-floating
Transmission, type	constant-mesh

TRUCK, STAKE AND PLATFORM, 2½-TON, 4 x 2 (International Harvester, Model K7, 1941)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137867

Technical Manuals: 9-822, 9-1822, 9-1825A, 9-1827B, 9-1827C, 9-1828A; Supply Catalog: SNL G-541.

Classification: Standard.

Purpose: To transport general cargo.

GENERAL DATA

Crew	2
Weight (lb)	Net 8,337
Payload:	
Off highway	5,000; gross 13,337
On highway	7,000; gross 15,337
Rear-axle gear ratio	7.16:1
Axle load (lb):	
Empty	front 3,739; rear 4,598
Loaded:	
Off highway	front 4,219; rear 9,118
On highway	front 4,409; rear 10,928
Tires:	
Ply 10	Size 8.25 x 20; Pressure (psi) 60
Tread, center-to-center, front	(in.) 65½
Shipping dimensions, uncrated	(cu ft) 1,552; (sq ft) 210
Vehicle dimensions:	
Ground clearance	(in.) 10½
Loading height, empty	(in.) 46¾
Body inside dimensions (in.):	
Length	192¾; Width 90; Height 42
Body cargo space	(cu ft) 420
Electrical system	(volts) 6
No. of batteries	1
Type of ground	positive
Fuel octane rating	70
Capacities:	
Fuel	(gal) 31
Cooling system	(qt) 18½
Crankcase, refill	(qt) 6½
Transmission	(qt) 5½
Rear axle	(qt) 5
Brakes:	
Manufacturer	Wagner; Type; hydraulic-vacuum
Parking brake, type	transmission
Transmission:	
Forward speeds	5
Gear ratio	High 0.823:1; Fourth 1:1; Low 6.525:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 39
Turning radius	(ft) 27½
Fording depth	(in.) 26
Fuel consumption, loaded	(mpg) 9
Cruising range, loaded	(mi) 279
Allowable speed, governed	(mph) 45
Maximum recommended towed load, gross	(lb) 10,000

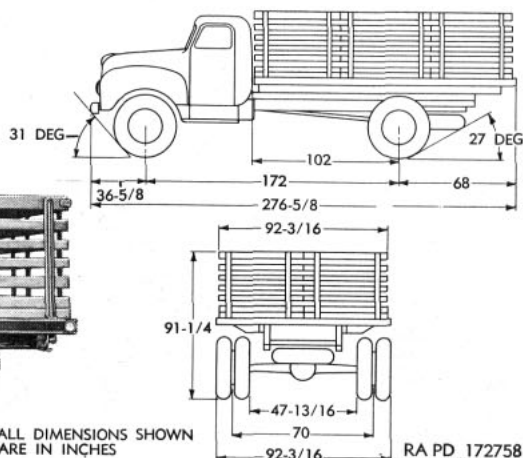
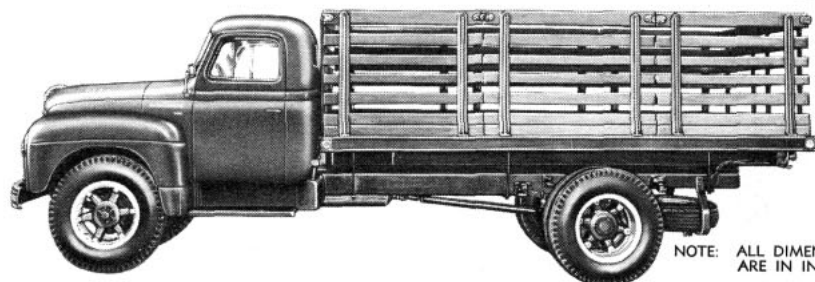
ENGINE

Manufacturer	International Harvester	Model FAC-269
Type	Valve-in-head, 4-cycle; No. of cylinders (in line)	6
Displacement	(cu in.)	269.1
Bore	(in.)	3¾
Stroke	(in.)	4½
Compression ratio		6.2:1
Governed speed	(rpm)	3,000
Brake horsepower (max w/std accessories)	101 at (rpm)	3,200
Torque (max)	212 lb-ft at (rpm)	800

ADDITIONAL DATA

Rear axle, type	spiral-bevel, full-floating
Transmission, type	selective sliding-gear

TRUCK, STAKE AND PLATFORM, 2½-TON, 4 x 2 (International Harvester, Model L-172)



Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 7,110
Payload.....	Off highway 5,000; on highway 11,890
Gross.....	Off highway 12,110; on highway 19,000
Rear-axle gear ratio (2 speed)	High 6.33:1; Low 8.81:1
Axle load (lb):	
Empty.....	front 3,320; rear 3,790
Loaded:	
Off highway.....	front 3,770; rear 8,340
On highway.....	front 4,435; rear 14,565
Tires:	
Ply 10.....	Size 9.00 x 20; Pressure (psi) 65
Tread, center-to-center, front.....	(in.) 64½
Shipping dimensions, uncrated	(cu ft) 1,350; (sq ft) 178
Vehicle dimensions:	
Ground clearance.....	(in.) 109½
Loading height.....	(in.) 45½
Body inside dimensions (in.):	
Length.....	168; Width 84; Height 42
Cargo space.....	(cu ft) 343
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 21
Cooling system.....	(qt) 21
Crankcase, refill.....	(qt) 7
Transmission.....	(qt) 6
Rear axle.....	(qt) 4
Brakes:	
Manufacturer.....	Wagner; Type, hydraulic
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	5
Gear ratio.....	High 1:1; Fourth 1.42:1; Low 7.35:1

Purpose: To transport general cargo.

PERFORMANCE

Computed grade ability in lowest gear w/off-highway load	(percent) 61
Turning radius	(ft) 30
Fording depth	(in.) 25
Fuel consumption, loaded	(mpg) 5½
Cruising range, loaded	(mi) 115
Allowable speed, governed	(mph) 50

ENGINE

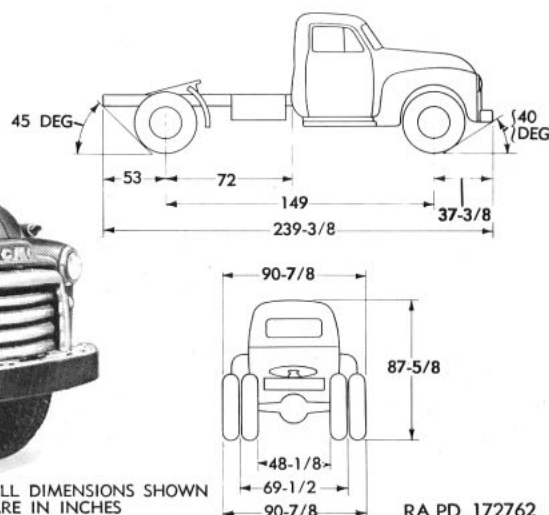
Manufacturer: IHC.....	Model BD-269
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 269
Bore	(in.) 39½
Stroke	(in.) 4½
Compression ratio	6.3:1
Governed speed	(rpm) 2,800
Brake horsepower (max w/std accessories)89 at (rpm) 2,800
Torque (max w/std accessories)	217 lb-ft at (rpm) 1,000

ADDITIONAL DATA

Rear axle, type	two-speed, full-floating
Transmission, type	synchromesh

TRUCK, TRACTOR, 2½-TON, 4 x 2

(GMC, Model HC-452, 1950)



Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 7,470
Payload	11,530
Gross	19,000
Rear-axle gear ratio (two speed)	High 6.67:1; Low 8.85:1
Axle load (lb):	
Empty	front 3,810; rear 3,660
Loaded	front 5,000; rear 14,000
Tires:	
Ply 10	Size 9.00 x 20; Pressure (psi) 65
Tread, center-to-center, front	(in.) 61 3/4
Shipping dimensions, uncrated	(cu ft) 1,100; (sq ft) 151
Vehicle dimensions:	
Ground clearance	(in.) 10 3/4
Frame height	(in.) 35 3/4
Height to center of fifth wheel, empty	(in.) 43 3/4
Height to rear of fifth wheel, empty	(in.) 36 3/4
Fifth wheel mounted forward of rear axle	(in.) 4
Electrical system	(volts) 6
No. of batteries	1
Type of ground	positive
Fuel octane rating	72
Capacities:	
Fuel	(gal) 50
Cooling system	(qt) 18
Crankcase, refill	(qt) 8
Transmission	(qt) 6
Rear axle	(qt) 6 1/2
Brakes:	
Manufacturer	GMC; Type; air-hydraulic
Parking brake, type	transmission
Transmission:	
Forward speeds	5
Gear ratio	High 1:1; Fourth 1.72:1; Low 7.58:1

Purpose: To tow semitrailers.

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 43
Turning radius	(ft) 26
Fording depth	(in.) 26
Fuel consumption, loaded	(mpg) 7 1/2
Cruising range, loaded	(mi) 375
Allowable speed, governed	(mph) 55
Maximum semitrailer, gross	(lb) 20,000

ENGINE

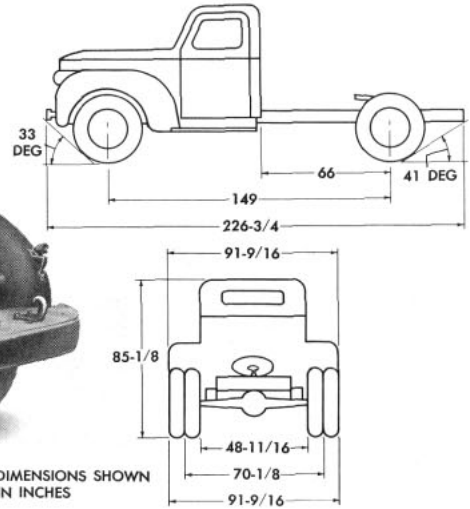
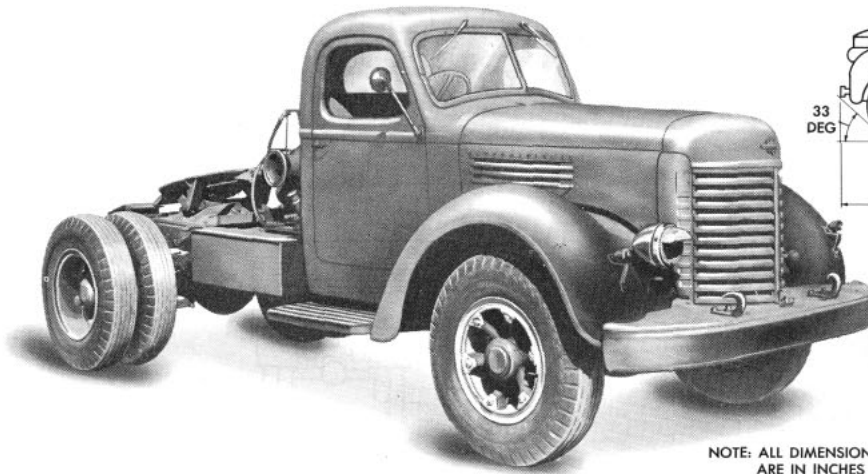
Manufacturer: GMC	Model 270
Type	4-cycle, valve-in-head, No. of cylinders (in line) 6
Displacement	(cu in.) 269.5
Bore	(in.) 3 25/32
Stroke	(in.) 4
Compression ratio	6.75:1
Governed speed	(rpm) 3,200
Brake horsepower (max w/std accessories)	106 at (rpm) 3,200
Torque (max w/std accessories)	216 lb-ft at (rpm) 1,000-1,200

ADDITIONAL DATA

Rear axle, type	two-speed, spiral-bevel, full-floating
Transmission, type	synchromesh

TRUCK, TRACTOR, 2½-TON, 4 x 2

(International Harvester, Model KR8R, 1942)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137819

Technical Manuals: 9-822; 9-1822; 9-1825A; 9-1827B; 9-1827C; 9-1828A; Supply Catalog: SNL G-541.

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 9,247; Payload 8,500; Gross 17,747
Rear-axle gear ratio	8.49:1
Axle load (lb.):	
Empty	front 4,480; rear 4,767
Loaded	front 4,822; rear 12,925
Tires:	
Ply 12	Size 9.00 x 20; Pressure (psi) 80
Tread, center-to-center, front	(in.) 68½
Shipping dimensions, uncrated	(cu ft) 1,023; (sq ft) 144
Vehicle dimensions:	
Ground clearance	(in.) 9¾
Pintle height, empty	(in.) 34
Center of fifth wheel to center of rear axle	(in.) 6
Height to center of fifth wheel, loaded	(in.) 44
Height to rear of fifth wheel	(in.) 38
Electrical system	(volts) 6
No. of batteries	1
Type of ground	positive
Fuel octane rating	70
Capacities:	
Fuel	(gal) 21
Cooling system	(qt) 25½
Crankcase, refill	(qt) 9
Transmission, w/power take-off	(qt) 9
Rear axle	(qt) 10
Winch:	
Oil capacity	(qt) 2
Load capacity	(lb) 25,000
Brakes:	
Manufacturer	Wagner; Type; hydraulic
Parking brake, type	transmission
Transmission:	
Forward speeds	5
Gear ratio	High 0.823:1; Fourth 1:1; Low 6.525:1

Purpose: To tow semitrailers.

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 37
Turning radius	(ft) 25
Fording depth	(in.) 30
Fuel consumption:	
W/towed load	(mpg) 5¼
W/o towed load	(mpg) 6
Cruising range:	
W/towed load	(mi) 115
W/o towed load	(mi) 126
Allowable speed, governed	(mph) 43
Maximum semitrailer, gross	(lb) 25,000

ENGINE

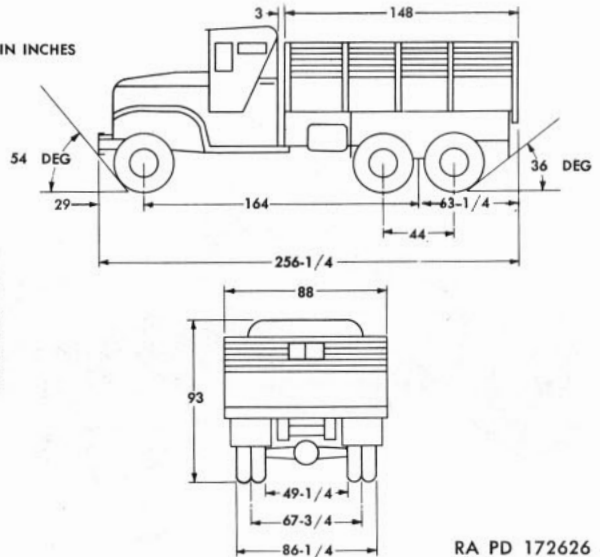
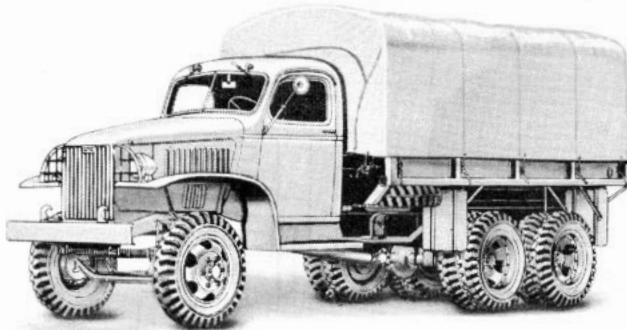
Manufacturer:	International Harvester	Model FBC-318
Type	4-cycle, valve-in-head; No. of cylinders (in line)	6
Displacement	(cu in.)	318.41
Bore	(in.)	3¾
Stroke	(in.)	4½
Compression ratio		5.45:1
Governed speed	(rpm)	2,700
Brake horsepower (max w/std accessories)	85 at (rpm)	2,600
Torque (max w/std accessories)	229 lb-ft at (rpm)	800

ADDITIONAL DATA

Rear-axle, type	spiral-bevel, full-floating
Transmission, type	selective sliding-gear

TRUCK, CARGO, 2½-TON, 6 x 4 (GMC, Model CCW353, 1941-42)

NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES



RA PD 172626

Technical Manuals: 9-801, 9-1801, 9-1802A, 9-1825A, 9-1826C, 9-1827B, 9-1827C, 9-1828A; Supply Catalog: SNL G-508

Classification: Not classified.

GENERAL DATA

Crew	2
Weight (lb)	Net 10,050
Payload:	
Off highway	5,350; gross 15,400
On highway	6,550; gross 20,450
Live-axle gear ratio	6.6:1
Axle load (lb):	
Empty	front 3,120; rear (each) 3,465
Loaded:	
Off highway	front 3,720; rear (each) 5,840
On highway	front 4,150; rear (each) 7,550
Tires:	
Ply 8	Size 7.50 x 20; Pressure (psi) 55
Tread, center-to-center, front	(in.) 62½
Shipping dimensions, uncrated	(cu ft) 1,216; (sq ft) 157
Vehicle dimensions:	
Ground clearance	(in.) 9¾
Pintle height, loaded	(in.) 31½
Loading height, empty	(in.) 48½
Body inside dimensions (in.):	
Length	144
Width	81½
Height	64
Cargo space	(cu ft) 430
Rear of cab to center of bogie axle	(in.) 90
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 40
Cooling system	(qt) 19
Crankcase, refill (qt)	1-pc oil pan 10; 2-pc oil pan 7½
Transmission	(qt) 4½
Transfer	(qt) 2¾
Live-axles (qt)	forward 6½; rear 5¼
Brakes:	
Manufacturer, GMC-Bendix	Type; hydrovac
Parking brake, type	transfer

Purpose: To transport general cargo.

GENERAL DATA—Continued

Transmission:	
Forward speeds	5
Gear ratio	High 0.799:1; Fourth 1:1; Low 6.06:1
Transfer:	
Speeds	2
Gear ratio	High 1.16:1; (blocked out) Low 2.63:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 35
Fording depth	(in.) 30
Fuel consumption, loaded	(mpg) 7½
Cruising range, loaded	(mi) 309
Allowable speed, governed	(mph) 45
Maximum recommended towed load:	
Off highway	gross (lb) 4,500
On highway	gross (lb) 7,500

ENGINE

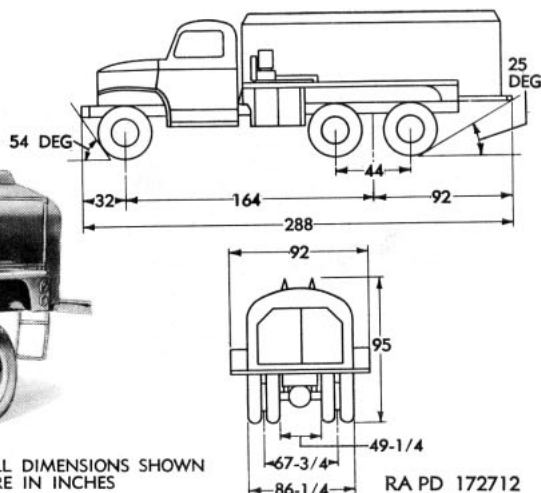
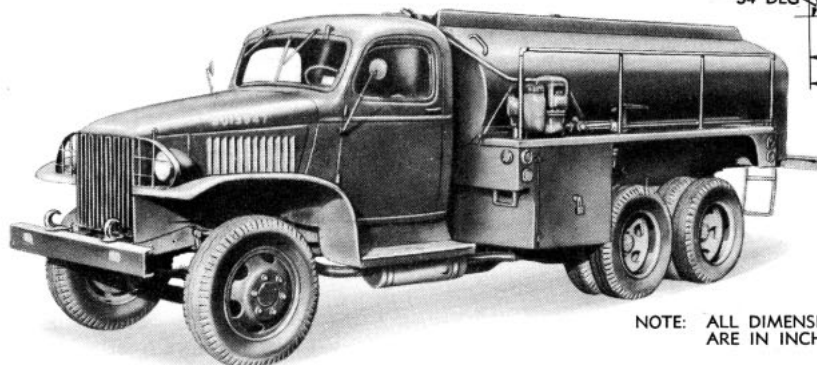
Manufacturer: GMC	Model 270
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 269.5
Bore	(in.) 3½
Stroke	(in.) 4
Compression ratio	6.75:1
Governed speed	(rpm) 2,750
Brake horsepower (max w/std accessories)	91.5 at (rpm) 2,750
Torque (max w/std accessories)	216 lb-ft at (rpm) 1,400

ADDITIONAL DATA

Live axles, type	spiral-bevel, full-floating
Transmission, type	constant-mesh

TRUCK, GASOLINE TANK, 2½-TON, 6 x 4, 1,350-GAL

GMC; Body { Heil, single-compartment or
Gar Wood, single-compartment or
Gar Wood, double-compartment



Technical Manuals: 9-801, 9-1801, 9-1802A, 9-1825A, 9-1826C, 9-1827B, 9-1827C, 9-1828A; Supply Catalog: SNL G-718 (See G-508 for chassis parts).

Classification: Nonclassified.

Purpose: To transport and dispense gasoline.

GENERAL DATA

Crew	2
Weight (lb)	Net 11,100; Payload 8,370; Gross, 19,470
Live-axle gear ratio	6.6:1
Axle load (lb):	
Empty	front 4,590; rear (each) 3,255
Loaded	front 5,362; rear (each) 7,054
Tires:	
Ply-8	Size 7.50 x 20; Pressure (psi) 55
Tread, center-to-center, front	(in.) 62¼
Shipping dimensions, uncrated	(cu ft) 1,460; (sq ft) 184
Ground clearance	(in.) 9¾
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 40
Cooling system	(qt) 19
Crankcase, refill (qt)	1-pe oil pan 10; 2-pe oil pan 7½
Transmission	(qt) 4¾
Transfer	(qt) 2¾
Live axles (qt)	front 6¾; rear 5¼
Brakes:	
Manufacturer	GMC-Bendix; Type; hydrovac
Parking brake, type	transfer
Transmission:	
Forward speeds	5
Gear ratio	High 0.799:1; Fourth 1:1; Low 6.06:1
Transfer:	
Speeds	2
Gear ratio	High 1.16:1; Low 2.63:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 59
Turning radius	(ft) 35
Fording depth	(in.) 30
Fuel consumption, loaded	(mpg) 7½
Cruising range, loaded	(mi) 300
Allowable speed, governed	(mph) 45

ENGINE

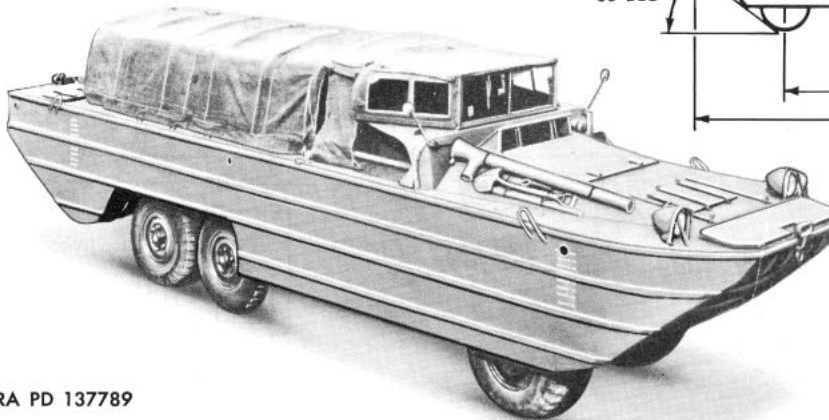
Manufacturer:	GMC	Model	270
Type	Valve-in-head, 4-cycle; No. of cylinders (in line)		
Displacement	(cu in.) 269.5		
Bore	(in.) 3¾		
Stroke	(in.) 4		
Compression ratio	6.75:1		
Governed speed	(rpm) 2,750		
Brake horsepower (max w/std accessories)	91.5 at (rpm) 2,750		
Torque (max)	216 lb-ft at (rpm) 1,400		

ADDITIONAL DATA

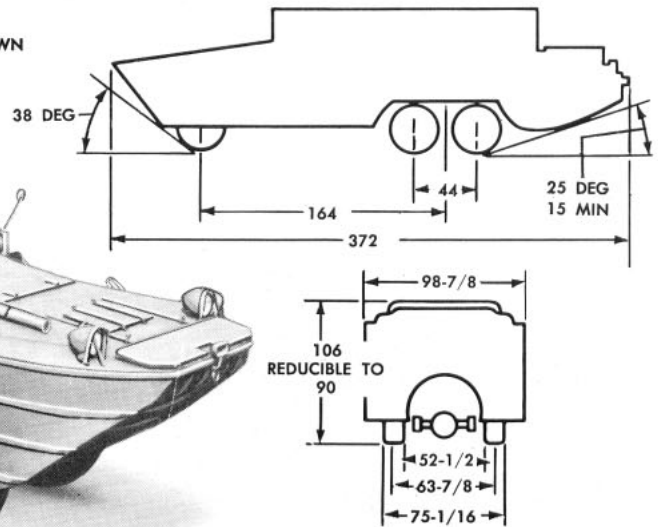
Live axles, type	spiral-bevel, full-floating
Transmission, type	constant-mesh

TRUCK, AMPHIBIAN, 2½-TON, 6 x 6 (GMC, Model DUKW353)

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137789



Technical Manuals: 9-802, 9-1802A, 9-1802B, 9-1802C, 9-1825A, 9-1826C, 9-1827B, 9-1827C, 9-1828A; Supply Catalog: SNL G-501.

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 14,880; Payload 5,175; Gross 20,055
Live-axle gear ratio	6.6:1
Tires:	
Ply 10	Size 11.00 x 18
Pressure (psi) for paved roads	front 40; rear 40
Tread, center-to-center, front	(in.) 63¾
Shipping dimensions, uncrated	(cu ft) 2,260; (sq ft) 256
Vehicle dimensions (in.):	
Water line length, loaded	344
Loaded freeboard:	
At coaming	front 28; rear 28
At deck	front 24; rear 16
Loaded draft	front 42; rear 51
Ground clearance	(in.) 11¼
Pintle height, loaded	(in.) 49¾
Cargo-space inside dimensions (in.):	
Length	96; Width 72; Height, under bows 96
Cargo capacity	(cu ft) 384
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 40
Cooling system	(qt) 20
Crankcase, refill	(qt) 11½
Transmission w/power take-off	(qt) 5½
Axles (qt)	front 6½
Bogie	front 6½; rear 5¼
Transfer	(qt) 2¼
Water-propeller transfer	(qt) ½
Tire pump	(qt) ½
Winch:	
Oil capacity	(qt) ¾
Load capacity	(lb) 10,000
Brakes:	
Manufacturer	GMC-Bendix; Type; hydrovac
Parking brake, type	transfer

Purpose: To transport cargo or personnel on land or water.

GENERAL DATA—Continued

Transmission:	
Forward speeds	5
Gear ratio	High 0.799:1; Fourth 1:1; Low 6.06:1
Water-propeller-transfer:	
Speeds	2
Gear ratio	Reverse 0.38:1; Forward 0.743:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 55
Turning radius:	
Right (ft)	land 35; water 20
Left (ft)	land 36; water 20
Fuel consumption, loaded:	
Land	(mpg) 6
Water	(mpg) 0.9
Cruising range, loaded: land	(mi) 240
On water: at top speed, 2nd gear (mi) 30	3rd gear (mi) 50
Allowable speed:	
Land, governed	(mph) 50
Water	(mph) 6
Maximum recommended towed load:	
Off highway	gross (lb) 4,500
On highway	gross (lb) 7,500

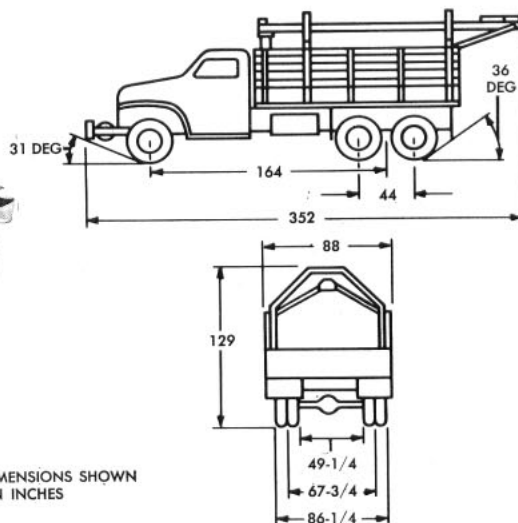
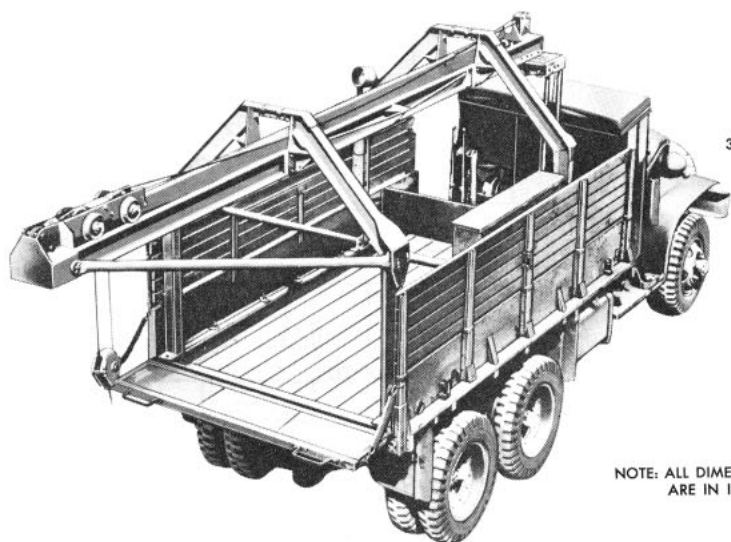
ENGINE

Manufacturer: GMC	Model 270
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 269.5
Bore	(in.) 3½
Stroke	(in.) 4
Compression ratio	6.75:1
Governed speed	(rpm) 2,750
Brake horsepower (max w/std accessories)	91.5 at (rpm) 2,750
Torque (max)	216 lb-ft at (rpm) 1,400

ADDITIONAL DATA

Live-axes, type	spiral-bevel, full-floating
Transmission, type	constant-mesh

TRUCK, BOMB SERVICE, 2½-TON, 6 x 6, M27 AND M27B1 (GMC, Model CCKW353, LWB)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137765

Technical Manuals: 9-766, 9-801, 9-1801, 9-1802A, 9-1825A, 9-1826C, 9-1827B, 9-1827C, 9-1828A; Supply Catalog: SNL G-508.

Classification: M27B1 standard; M27 substitute standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 14,115; Payload 5,158; Gross 19,273
Live-axle gear ratio	6.6:1
Axle load (lb):	
Empty	front 5,081; rear (each) 4,517
Loaded	front 5,649; rear (each) 6,812
Tires:	
Ply 8	Size 7.50 x 20; Pressure (psi) 55
Tread, center-to-center, front	(in.) 62½
Shipping dimensions, uncrated	(cu ft) 2,312; (sq ft) 215
Vehicle dimensions:	
Loading height, empty	(in.) 48½
Ground clearance	(in.) 9¾
Pintle height, loaded	(in.) 31½
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 40
Cooling system	(qt) 19
Crankcase, refill (qt)	1-pc oil pan 10; 2-pc oil pan 7½
Transfer	(qt) 3
Transmission w/power take-off	(qt) 6¼
Axles (qt)	front 3
Bogie	front 3; rear 2½
Winch:	
Oil capacity	(qt) 1½
Load capacity	(lb) 10,000
Brakes:	
Manufacturer	GMC-Bendix; Type; hydrovac
Parking brake, type	transfer
Transmission:	
Forward speeds	5
Gear ratio	High 0.799:1; Fourth 1:1; Low 6.06:1
Transfer:	
Speeds	2
Gear ratio	High 1.16:1; Low 2.63:1

Purpose: To lift and transport bombs from depots to planes and airfields.

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 35
Fording depth	(in.) 30
Fuel consumption, loaded	(mpg) 7½
Cruising range, loaded	(mi) 300
Allowable speed, governed	(mph) 45
Maximum recommended towed load:	
Off highway gross (lb)	4,500
On highway gross (lb)	7,500

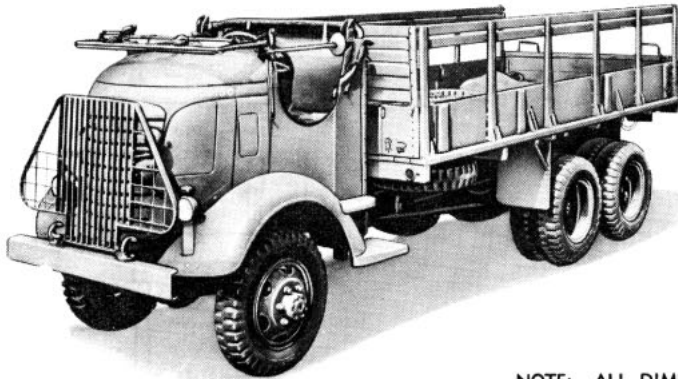
ENGINE

Manufacturer:	GMC	Model 270
Type	Valve-in-head, 4-cycle; No. of cylinders (in line)	6
Displacement	(cu in.)	269.5
Bore	(in.)	3¾
Stroke	(in.)	4
Governed speed	(rpm)	2,750
Brake horsepower (max w/std accessories)	91.5 at (rpm)	2,750
Torque (max)	216 lb-ft at (rpm)	1,400

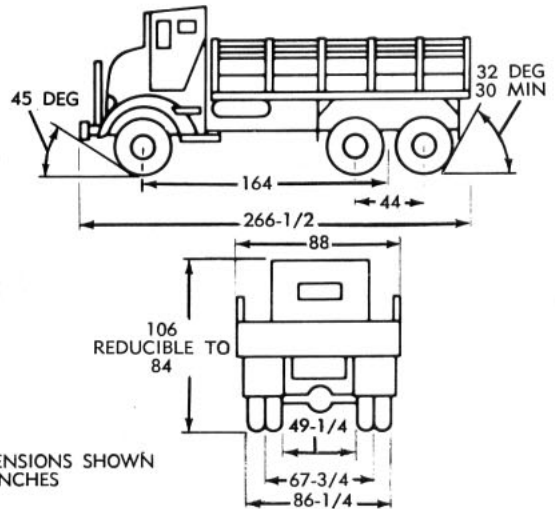
ADDITIONAL DATA

Live-axes, type	spiral-bevel, full-floating
Transmission, type	constant-mesh
Data given for vehicle with split-type axle. For banjo-type axle, changes in data are as follows:	
Tread:	
Center-to-center (in.)	front 60; rear 67½
Outside to outside (in.)	86; Inside to inside (in.) 49
Capacities:	
Transfer	(qt) 2¼
Axles (qt)	front 6½
Bogie	front 6¼; rear 5¼

TRUCK, CARGO, 2½-TON, 6 x 6 (GMC, Model AFKWX353, COE, 15-ft. body)



RA PD 172647



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-809, 9-1801, 9-1802A, 9-1825A, 9-1826C, 9-1827B, 9-1827C, 9-1828A, 9-1829A; Supply Catalog: SNL G-508.

Classification: Limited Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 10,800; Payload 5,350; Gross 16,150
Live-axle gear ratio	6.6:1
Axle load (lb):	
Empty	front 4,439; rear (each) 3,180
Loaded*	front 5,148; rear (each) 5,501
Tires:	
Ply 8	Size 7.50 x 20; Pressure (psi); front 55; rear 55
Tread, center-to-center, front	(in.) 62¼
Shipping dimensions, uncrated	(cu ft) 1,440; (sq ft) 163
Vehicle dimensions:	
Loading height, empty	(in.) 49½
Ground clearance	(in.) 9¾
Pintle height, loaded	(in.) 31½
Body inside dimensions (in.):	
Length	176; Width 80; Height, under bows 59
Cargo space	(cu ft) 475
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 40
Cooling system	(qt) 21
Crankcase, refill (qt)	1-pc oil pan 10; 2-pc oil pan 7½
Transmission	(qt) 4½
Transfer	(qt) 3
Axles (qt)	front 3
Bogie	front 3; rear 2½
Brakes:	
Manufacturer	GMC-Bendix; Type; hydrovac
Parking brake, type	transfer
Transmission:	
Forward speeds	5
Gear ratio	High 0.799:1; Fourth 1:1; Low 6.06:1
Transfer:	
Speeds	2
Gear ratio	High 1.16:1; Low 2.63:1

Purpose: To transport general cargo.

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius (ft)	Right 35; Left 35
Fording depth	(in.) 30
Fuel consumption, loaded	(mpg) 7½
Cruising range, loaded	(mi) 300
Allowable speed, governed	(mph) 45
Maximum recommended towed load, gross	(lb) 4,500

ENGINE

Manufacturer: GMC	Model 270
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 269.5
Bore	(in.) 3½½
Stroke	(in.) 4
Compression ratio	6.75:1
Governed speed	(rpm) 2,750
Brake horsepower (max w/std accessories)	91.5 at (rpm) 2,750
Torque (max w/std accessories)	216 lb-ft at (rpm) 1,400

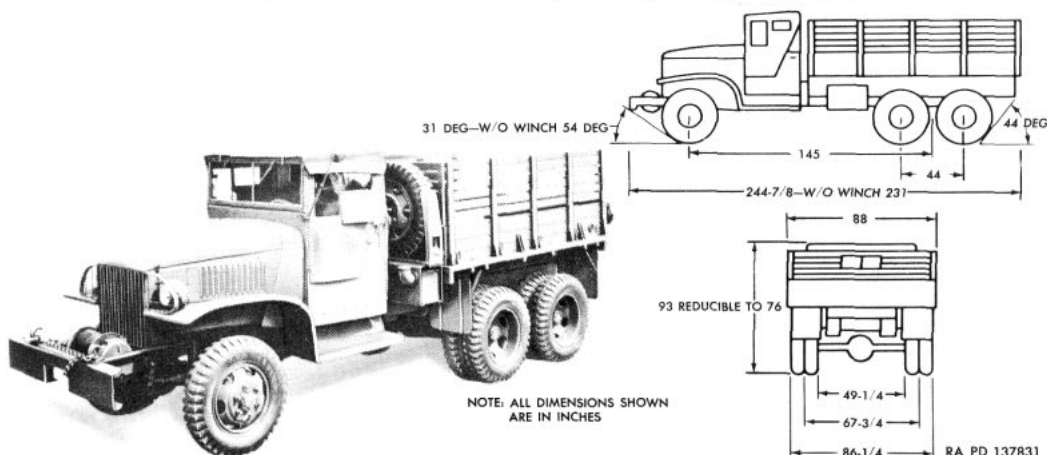
ADDITIONAL DATA

Live axles, type	spiral-bevel, full-floating
Transmission, type	constant-mesh
Data given for vehicle with split-type axle. For banjo-type axle, changes in data are as follows:	
Tread dimensions (in.):	
Front	60
Rear	67½
Outside to outside	86
Inside to inside	49
Capacities:	
Transfer	(qt) 2¼
Axles (qt)	front 6½
Bogie	front 6½; rear 5¼

* Increased loading of this vehicle on highway not permitted.

TRUCK, CARGO, 2½-TON, 6 x 6, W/ AND W/O WINCH

(GMC, Model CCKW352, SWB, 1941-42-43)



Technical Manuals: 9-801, 9-1801, 9-1802A, 9-1825A, 9-1826C, 9-1827B, 9-1827C, 9-1828A; Supply Catalog: SNL G-508.

Classification: Limited Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 10,350
Payload:	
Off highway.....	5,350; Gross 15,700
On highway.....	10,000; Gross 20,350
Live-axle gear ratio	6.6:1
Axle load (lb):	
Empty.....	front 3,792; rear (each) 3,279
Loaded:	
Off highway.....	front 3,992; rear (each) 5,854
On highway.....	front 4,170; rear (each) 8,090
Tires:	
Ply 8.....	Size 7.50 x 20; Pressure; (psi) 55
Tread, center-to-center, front.....	(in.) 62¼
Shipping dimensions, uncrated:	
W/winch.....	(cu ft) 1,160; (sq ft) 150
W/o winch.....	(cu ft) 1,136; (sq ft) 147
Vehicle dimensions:	
Loading height, empty.....	(in.) 48½
Ground clearance.....	(in.) 9¾
Pintle height, loaded.....	(in.) 31½
Body inside dimensions (in.):	
Length.....	120; Width 81½; Height 64
Body cargo space.....	(cu ft) 340
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	70
Capacities:	
Fuel.....	(gal) 40
Cooling system.....	(qt) 19
Crankcase, refill (qt).....	1-pc oil pan 10; 2-pc oil pan 7½
Transfer.....	(qt) 3
Transmission (qt).....	w/PTO 6½; w/o PTO 4½
Axles (qt).....	front 3
Bogie.....	front 3; rear 2½
Winch:	
Oil capacity.....	(qt) 1½
Load capacity.....	(lb) 10,000
Brakes:	
Manufacturer.....	GMC-Bendix; Type; hydrovac
Parking brake, type.....	transfer
Transmission:	
Forward speeds.....	5
Gear ratio.....	High 0.799:1; Fourth 1:1; Low 6.06:1

Purpose: To transport general cargo and personnel.

GENERAL DATA—Continued

Transfer:	
Speeds.....	2
Gear ratio.....	High 1.16:1; Low 2.63:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 34
Fording depth	(in.) 30
Fuel consumption, loaded	(mpg) 7½
Cruising range, loaded	(mi) 300
Allowable speed, governed	(mph) 45
Maximum recommended towed load:	
Off highway.....	4,500
On highway.....	7,500

ENGINE

Manufacturer: GMC.....	Model 270
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 269.5
Bore	(in.) 3¼
Stroke	(in.) 4
Compression ratio	6.75:1
Governed speed	(rpm) 2,750
Brake horsepower (max w/std accessories)	91.5 at (rpm) 2,750
Torque (max)	216 lb-ft at (rpm) 1,400

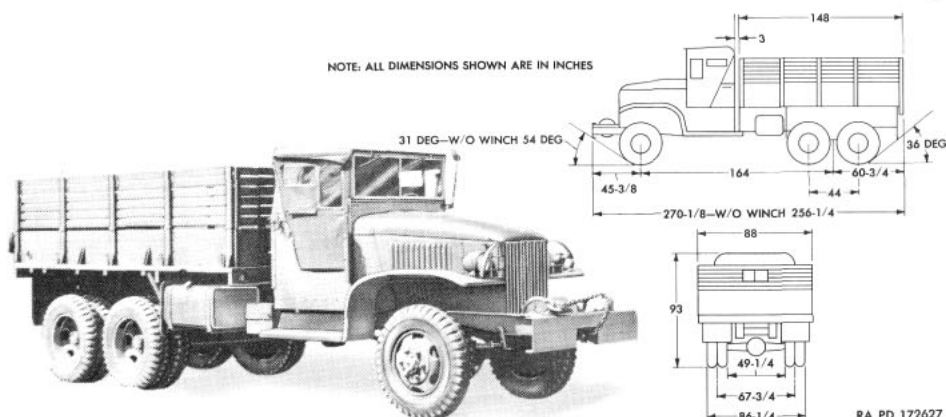
ADDITIONAL DATA

Weights and axle loads given for vehicle w/o winch, Weight of winch 700 lb.

Live axles, type	spiral-bevel, full-floating
Transmission, type	constant-mesh
Data given for vehicle with split-type axle. For banjo-type axle, changes in data are as follows:	
Tread dimensions (in.):	
Front.....	60
Rear.....	67½
Outside to outside.....	86
Inside to inside.....	49
Capacities:	
Transfer.....	(qt) 2¼
Axles (qt).....	front 6½
Bogie.....	front 6½; rear 5¼

TRUCK, CARGO, 2½-TON, 6 x 6, W/ AND W/O WINCH

(GMC, Models CCKW353, LWB, 1941-42-43 and CCKWX353, LWB, 1941)



Technical Manuals: 9-801, 9-1801, 9-1802A, 9-1825A, 9-1826C, 9-1827B, 9-1827C, 9-1828A; Supply Catalog: SNL G-508.

Classification: Limited standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 11,250
Payload:	
Off highway.....	5,350; Gross 16,600
On highway.....	9,200; Gross 20,450
Live-axle gear ratio	6.6 : 1
Axle load (lb):	
Empty.....	front 4,120; rear (each) 3,565
Loaded:	
Off highway.....	front 4,270; rear (each) 5,940
On highway.....	front 5,150; rear (each) 7,650
Tires:	
Ply 8; Size 7.50 x 20; Pressure.....	(psi) 55
Tread, center-to-center, front.....	(in.) 62½
Shipping dimensions, uncrated:	
W/winch.....	(cu ft) 1,280; (sq ft) 165
W/o winch.....	(cu ft) 1,216; (sq ft) 157
Vehicle dimensions:	
Loading height, empty.....	(in.) 48½
Ground clearance.....	(in.) 9¾
Pintle height, loaded.....	(in.) 31½
Body inside dimensions (in.):	
Length.....	144
Width.....	81½
Height.....	64
Body cargo space.....	(cu ft) 430
Rear of cab to center of bogie axle.....	(in.) 90
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	70
Capacities:	
Fuel.....	(gal) 40
Cooling system.....	(qt) 19
Crankcase, refill (qt).....	1-pc oil pan 10; 2-pc oil pan 7½
Transfer.....	(qt) 3
Transmission (qt).....	w/PTO 6¼; w/o PTO; (qt) 4½
Axles (qt).....	front 3
Bogie.....	front 3; rear 2½
Winch:	
Oil capacity.....	(qt) 1½
Load capacity.....	(lb) 10,000
Brakes:	
Manufacturer: GMC-Bendix.....	Type; hydrovac
Parking brake, type.....	transfer

Purpose: To transport general cargo and personnel.

GENERAL DATA—Continued

Transmission:	
Forward speeds.....	5
Gear ratio.....	High 0.799 : 1; Fourth 1 : 1; Low 6.06 : 1
Transfer:	
Speeds.....	2
Gear ratio.....	High 1.16 : 1; Low 2.63 : 1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 35
Fording depth	(in.) 30
Fuel consumption, loaded	(mpg) 7½
Cruising range, loaded	(mi) 300
Allowable speed, governed	(mph) 45
Maximum recommended towed load:	
Off highway; gross (lb).....	4,500
On highway; gross (lb).....	7,500

ENGINE

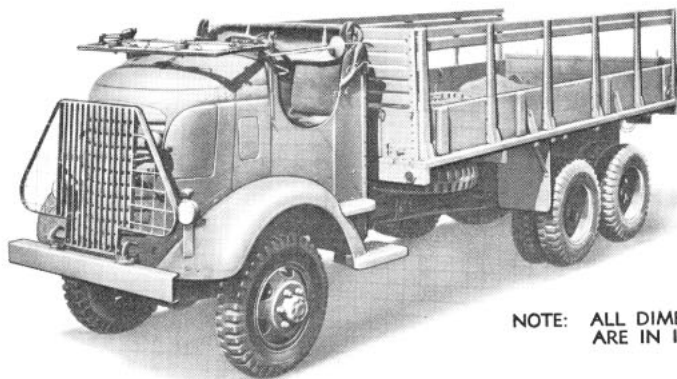
Manufacturer: GMC.....	Model 270
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 269.5
Bore	(in.) 3½½
Stroke	(in.) 4
Compression ratio	6.75 : 1
Governed speed	(rpm) 2,750
Brake horsepower (max w/std accessories)	91.5 at (rpm) 2,750
Torque (max)	216 lb-ft at (rpm) 1,400

ADDITIONAL DATA

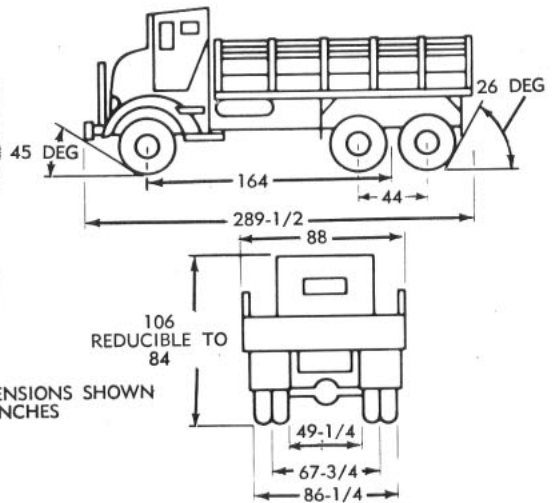
Weight and axle loads given for vehicle w/winch. Weight of winch 700 lb.	
Live-axes, type	spiral-bevel, full-floating
Transmission, type	constant-mesh
Data given for vehicle with split-type axle. For banjo-type axle, changes in data are as follows:	
Tread dimensions (in.):	
Front.....	60
Rear.....	67½
Outside to outside.....	86
Inside to inside.....	49
Capacities:	
Transfer.....	(qt) 2¼
Axles (qt).....	front 6½
Bogie.....	front 6½; rear 5¼

TRUCK, CARGO, 2½-TON, 6 x 6, 17 FT, M427

(GMC, Model AFKWX353, COE, 1942)



RA PD 172648



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Technical Manuals: 9-809, 9-1801, 9-1802A, 9-1825A, 9-1826C, 9-1827B, 9-1827C, 9-1828A; Supply Catalog: SNL G-508.

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb.):	Net 11,950; Payload 5,350; Gross 17,300
Live-axle gear ratio	6.6:1
Axle load (lb.):	
Empty	front 4,439; rear (each) 3,755
Loaded*	front 5,148; rear (each) 6,076
Tires:	
Ply 8	Size 7.50 x 20; Pressure (psi) 55
Tread, center-to-center, front	(in.) 62¼
Shipping dimensions, uncrated	(cu ft) 1,788; (sq ft) 193
Vehicle dimensions:	
Loading height, empty	(in.) 49½
Ground clearance	(in.) 9¾
Pintle height, loaded	(in.) 31½
Body inside dimensions (in.):	
Length	200; Width 80; Height, under bows 59
Body cargo space	(cu ft) 540
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 40
Cooling system	(qt) 21
Crankcase, refill (qt)	1-pe oil pan 10; 2-pe oil pan 7½
Transfer	(qt) 3
Transmission	(qt) 4½
Axles (qt)	front 3
Bogie	front 3; rear 2½
Brakes:	
Manufacturer	GMC-Bendix; Type; hydrovac
Parking brake, type	transfer
Transmission:	
Forward speeds	5
Gear ratio	High 0.799:1; Fourth 1:1; Low 6.06:1
Transfer:	
Speeds	2
Gear ratio	High 1.16:1; Low 2.63:1

*Increased loading of this vehicle on highways not permitted.

Purpose: To transport general cargo and personnel.

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 35
Fording depth	(in.) 30
Fuel consumption, loaded	(mpg) 7½
Cruising range, loaded	(mi) 300
Allowable speed, governed	(mph) 45
Maximum recommended towed load, gross	(lb) 4,500

ENGINE

Manufacturer: GMC	Model 270
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 269.5
Bore	(in.) 3½½
Stroke	(in.) 4
Compression ratio	6.75:1
Governed speed	(rpm) 2,750
Brake horsepower (max w/std accessories)	91.5 at (rpm) 2,750
Torque (max w/std accessories)	216 lb-ft at (rpm) 1,400

ADDITIONAL DATA

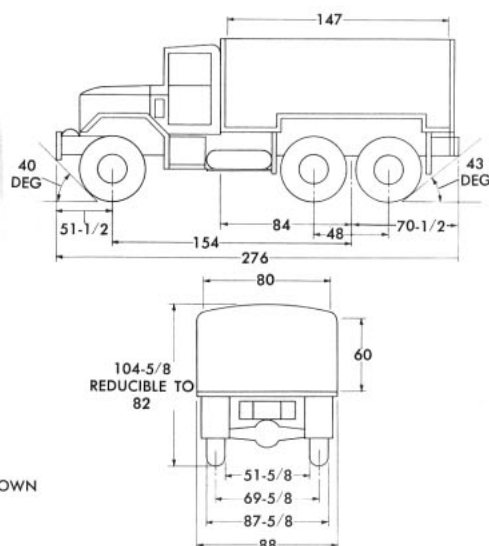
Live-axes, type	spiral-bevel, full-floating
Transmission, type	constant-mesh
Data given for vehicle with split-type axles. For banjo-type axles, changes in data are as follows:	
Tread dimensions (in.):	
Front	60
Rear	67½
Outside to outside	86
Inside to inside	49
Capacities:	
Transfer	(qt) 2¼
Axles (qt)	front 6½
Bogie	front 6½; rear 5¼

TRUCK, CARGO, 2½-TON, 6 x 6, M34, W/ AND W/O WINCH



RA PD 137808

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



Technical Manual: 9-819; Supply Catalog: SNL G-742.

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 2,1901
Payload w/crew	off highway 5,350; on highway 10,350
Gross	off highway 17,540; on highway 22,540
Live-axle gear ratio	6.72:1
Axle load (lb):	
Empty	front 5,900; rear (each) 3,145
Loaded:	
Off highway	front 6,325; rear (each) 5,607
On highway	front 6,525; rear (each) 8,007
Tires:	
Ply 12	Size 11.00 x 20; Pressure (psi) 50
Tread, center-to-center, front	(in.) 69½
Shipping dimensions, uncrated:	
W/winch	(cu ft) 1,150; (sq ft) 169
W/o winch	(cu ft) 1,094; (sq ft) 160
Vehicle dimensions:	
Ground clearance	(in.) 19½
Loading height, empty	(in.) 43½
Pintle height, empty	(in.) 35½
Body inside dimensions (in.): Length	147; Width 80; Height 60
Cargo space	(cu ft) 408
Electrical system	(volts) 24
No. of batteries (12-volt)	2
Type of ground	negative
Fuel octane rating	75
Capacities:	
Fuel	(gal) 50
Cooling system (qt)	w/o heater 22; w/heater 24
Crankcase, refill	(qt) 9
Transmission (qt):	
W/o power take-off	4¾
W/power take-off	5
Transfer	(qt) 7
Axles, each	(qt) 7
Winch:	
Oil capacity	(qt) 2
Load capacity	(lb) 10,000
Brakes:	
Manufacturer; Timken	Type; air-actuated hydraulic
Parking brake, type	transfer

Purpose: To transport general cargo.

GENERAL DATA—Continued

Transmission:	
Forward speeds	5
Gear ratio	High 1:1; Fourth 1.45:1; Low 7.55:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 1.98:1

PERFORMANCE

Computed grade ability in lowest gear, w/5,350-lb payload	(percent) 64
Turning radius (ft)	w/winch 36; w/o winch 35
Fording depth	(in.) 72
Fuel consumption, loaded	(mpg) 7
Cruising range, loaded	(mi) 350
Allowable speed, governed	(mph) 62
Maximum recommended towed load:	
Off highway, gross	(lb) 6,000
On highway, gross	(lb) 10,000

ENGINE

Manufacturer: Reo Motors, Inc.	Model OA-331
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 331
Bore	(in.) 4¾
Stroke	(in.) 4¾
Compression ratio	6.73:1
Governed speed	(rpm) 3,400
Brake horsepower (max w/std accessories)	127 at (rpm) 3,200
Torque (max)	248 lb-ft at (rpm) 1,400

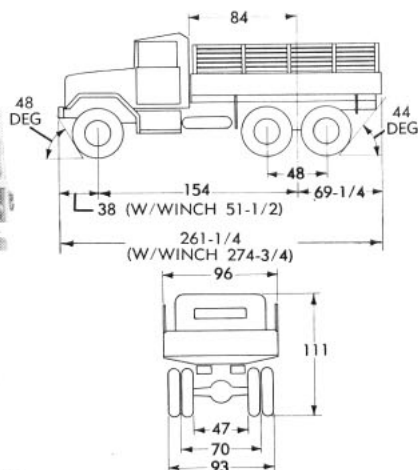
ADDITIONAL DATA

Live axles, type	spiral-bevel, double-reduction, full-floating
Transmission, type	synchromesh
Weights and axle loads given are for vehicle w/winch; for vehicle w/o winch, they are as follows:	
Weight (lb):	
Net	11,775
Gross	off highway 17,125; on highway 22,125
Axle load (lb):	
Empty	front 5,405; rear (each) 3,185
Loaded:	
Off highway	front 5,830; rear (each) 5,647
On highway	front 6,030; rear (each) 8,047

TRUCK, CARGO, 2½-TON, 6 x 6, M35, W/ AND W/O WINCH



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 172780

Technical Manuals: 9-819, 9-1819A, 9-1819B, 9-1825A, 9-1826D, 9-1827A, 9-1827C, 9-1828A; Supply Catalog: SNL G-742.

GENERAL DATA

Crew	2
Weight (lb):	
Net	w/o winch 12,465; w/winch 12,880
Payload:	
Off highway	5,000
On highway	10,000
Gross:	
Off highway	w/o winch 17,465; w/winch 17,880
On highway	w/o winch 22,465; w/winch 23,380
Axle gear ratio	6.722:1
Axle load (lb):	
Empty:	
Front:	
W/o winch	5,315; rear (each) w/o winch 3,575
W/winch	5,810; w/winch 3,535
Loaded, off highway:	
Front:	
W/o winch	5,511; rear (each) w/o winch 5,977
W/winch	6,006; w/winch 5,937
Loaded on highway:	
Front:	
W/o winch	5,705; rear (each) w/o winch 8,380
W/winch	6,700; w/winch 8,340
Tires:	
Ply 8	Size 9.00 x 20; Pressure (psi) 45
Tread, center-to-center, front	(in.) 67½
Shipping dimensions, uncrated:	
W/o winch	(cu ft) 1,610; (sq ft) 174
W/winch	(cu ft) 1,690; (sq ft) 183
Vehicle dimensions:	
Ground clearance	(in.) 12½
Pintle height, empty	(in.) 34½
Loading height, empty	(in.) 51
Body inside dimensions (in.):	
Length	147; Width 88; Height 60
Cargo space	(cu ft) 456
Electrical system	(volts) 24
No. of batteries	2
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 50
Cooling system	(qt) 22
Crankcase, refill	(qt) 9

Purpose: To transport general cargo and personnel and tow 105-mm howitzer.

GENERAL DATA—Continued

Capacities:	
Transmission (qt)	w/o PTO 4¼; w/PTO 5¼
Transfer	(qt) 7
Axle	(qt) 7
Winch:	
Oil capacity	(qt) 1
Load capacity	(lb) 10,000
Brakes:	
Manufacturer	Timken-Detroit; Type: air-hydraulic
Parking brake, type	transfer
Transmission:	
Forward speeds	5
Gear ratio	High 1:1; Fourth 1.45:1; Low 7.55:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 1.98:1

PERFORMANCE

Computed grade ability in lowest gear, w/off-highway load	(percent) 65
Turning radius	(ft) 36
Fording depth	(in.) 72
Fuel consumption, loaded	(mpg) 6
Cruising range, loaded	(mi) 300
Allowable speed, governed	(mph) 58
Maximum pintle tow:	
Off highway, gross	6,000
On highway, gross	10,000

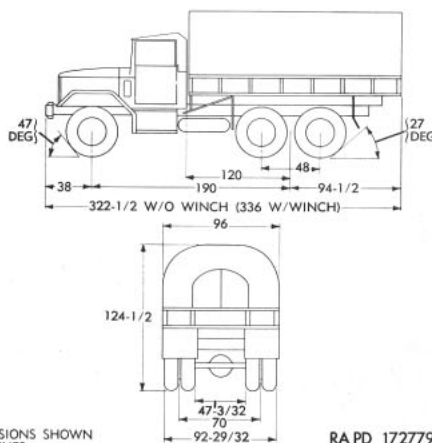
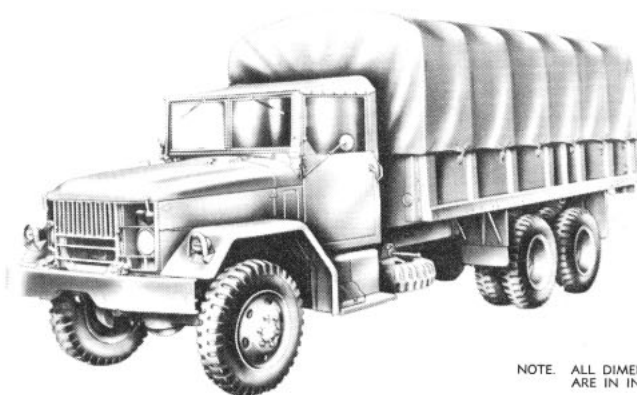
ENGINE

Manufacturer: Reo	Model 331 O A
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 331
Bore	(in.) 4½
Stroke	(in.) 4½
Compression ratio	6.73:1
Governed speed	(rpm) 3,400
Brake horsepower (max w/std accessories)	127 at (rpm) 3,400
Torque (max w/std accessories)	248 lb-ft at (rpm) 1,400

ADDITIONAL DATA

Axles, type	double-reduction, full floating
Transmission, type	synchromesh

TRUCK, CARGO, 2½-TON, 6 x 6, M36, W AND W/O WINCH



NOTE. ALL DIMENSIONS SHOWN ARE IN INCHES

RAPD 172779

Technical Manuals: 9-819, 9-1819A, 9-1819B, 9-1825A, 9-1826D, 9-1827A, 9-1827C, 9-1828A; Supply Catalog: SNL G-742.

Purpose: To transport general cargo and personnel.

GENERAL DATA

Crew	2
Weight (lb)	Net w/o winch 13,500; w/winch 13,915
Payload:	
Off highway	5,000
On highway	10,000
Gross:	
Off highway	w/o winch 18,500; w/winch 18,915
On highway	w/o winch 23,500; w/winch 23,915
Axle gear ratio	6.722:1
Axle load (lb):	
Empty:	
Front:	
W/o winch	5,580; rear (each) w/o winch 3,960
W/winch	6,085; w/winch 3,915
Loaded:	
Off highway:	
Front:	
W/o winch	5,850; rear (each) w/o winch 6,325
W/winch	6,355; w/winch 6,280
On highway:	
Front:	
W/o winch	6,120; rear (each) w/o winch 8,690
W/winch	6,625; w/winch 8,645
Tires:	
Ply 8	Size 9.00 x 20; Pressure (psi) 45
Tread, center-to-center, front	(in.) 67¾
Shipping dimensions, uncrated:	
W/o winch	(cu ft) 2,240; (sq ft) 217
W/winch	(cu ft) 2,320; (sq ft) 223
Vehicle dimensions:	
Ground clearance	(in.) 12½
Pintle height, empty	(in.) 34¾
Loading height, empty	(in.) 51½
Body inside dimensions (in.):	
Length	204
Width	88
Height	60
Cargo space	(cu ft) 630
Electrical system	(volts) 24
No. of batteries	2
Type of ground	negative
Fuel octane rating	80

GENERAL DATA—Continued

Capacities:	
Fuel	(gal) 50
Cooling system	(qt) 22
Crankcase, refill	(qt) 9
Transmission (qt)	w/o PTO 4¾; w/PTO 5¾
Transfer	(qt) 7
Axle	(each) (qt) 7
Winch:	
Oil capacity	(qt) 1
Load capacity	(lb) 10,000
Brakes:	
Manufacturer	Timken-Detroit; Type; air-hydraulic
Parking brake, type	transfer
Transmission:	
Forward speeds	5
Gear ratio	High 1:1; Fourth 1.45:1; Low 7.55:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 1.98:1

PERFORMANCE

Computed grade ability in lowest gear w/off-highway load	(percent) 65
Turning radius	(ft) 45
Fording depth	(in.) 72
Fuel consumption, loaded	(mpg) 6
Cruising range, loaded	(mi) 300
Allowable speed, governed	(mph) 58
Maximum pintle tow:	
Off highway	gross (lb) 6,000
On highway	gross (lb) 10,000

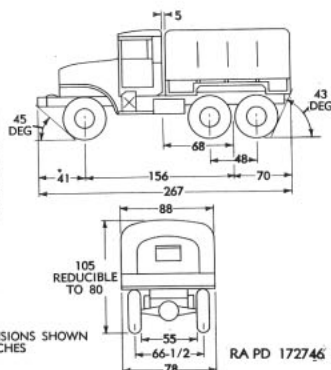
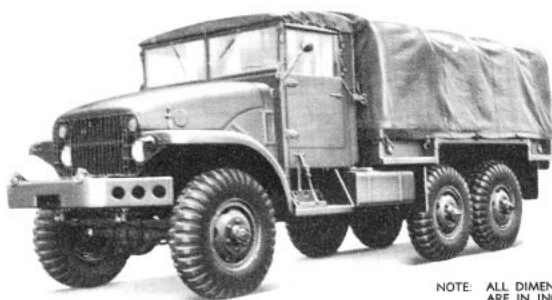
ENGINE

Manufacturer: Reo	Model 331 O A
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 331
Bore	(in.) 4½
Stroke	(in.) 4½
Compression ratio	6.73:1
Governed speed	(rpm) 3,400
Brake horsepower (max w/std accessories)	127 at (rpm) 3,400
Torque (max w/std accessories)	248 lb-ft at (rpm) 1,400

ADDITIONAL DATA

Axles, type	double-reduction, full-floating
Transmission, type	synchromesh

TRUCK, CARGO, 2½-TON, 6 x 6, M135 W/ AND W/O WINCH



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Technical Manual: 9-819A: Supply Catalog: SNL G-749.

GENERAL DATA

Crew	2
Weight (lb):	
Net	w/o winch 12,330; w/winch 12,740
Payload	off highway 5,000; on highway 10,000
Gross:	
Off highway:	
W/o winch	17,680
W/winch	18,090
On highway:	
W/o winch	22,680
W/winch	23,090
Live-axle gear ratio	6.17:1
Axle load (lb):	
Empty:	
Front:	
W/o winch	5,360
W/winch	5,540
Rear (each):	
W/o winch	3,485
W/winch	3,600
Loaded:	
Off highway:	
Front:	
W/o winch	5,780
W/winch	6,270
Rear (each):	
W/o winch	5,950
W/winch	5,910
On highway:	
Front:	
W/o winch	7,430
W/winch	7,970
Rear (each):	
W/o winch	7,625
W/winch	7,560
Tires:	
Ply 12	Size 11.00 x 20
Pressure (psi)	On highway 70; off highway 35
Tread, center-to-center, front	(in.) 71
Shipping dimensions, uncrated	(cu ft) 1,425; (sq ft) 163
Vehicle dimensions:	
Ground clearance	(in.) 12½
Pintle height, empty	(in.) 37½
Loading height, empty	(in.) 45
Body inside dimensions (in.):	
Length	147; Width 80; Height 60
Cargo space	(cu ft) 408
Electrical system	(volts) 24
No. of batteries	2
Type of ground	negative

Purpose: To transport general cargo and personnel and tow 105-mm howitzer.

GENERAL DATA—Continued

Fuel octane rating	72
Capacities:	
Fuel	(gal) 56
Cooling system	(qt) 22
Crankcase, refill	(qt) 11
Transmission	(qt) 15
Transfer (qt)	w/PTO 3¾; w/o PTO 3¼
Axles (qt)	front 7¾; intermediate 6¾; rear 5¾
Winch:	
Oil capacity	(pt) 1¼
Load capacity	(lb) 10,000
Brakes:	
Manufacturer	Bendix; Type; air-hydraulic
Parking brake, type	transfer
Transmission:	
Forward speeds	8
High range	High 1:1; Third 1.55:1; Low 4.07:1
Low range	High 3.82:1; Third 5.92:1; Low 15.55:1
Transfer:	
Speeds	1
Gear ratio	1.16:1

PERFORMANCE

Computed grade ability in lowest gear w/off-highway load	(percent) 60
Turning radius	(ft) 35
Fording depth, w/o fording kit	(in.) 60
Fuel consumption, loaded	(mpg) 4
Cruising range, loaded	(mi) 224
Allowable speed, governed	(mph) 58
Maximum pintle tow:	
Off highway	gross (lb) 6,000
On highway	gross (lb) 10,000

ENGINE

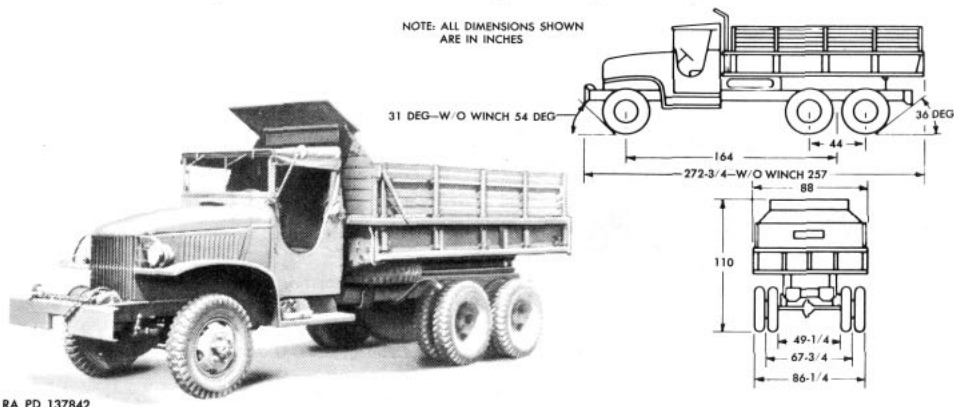
Manufacturer: GMC	Model 302
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 302
Bore	(in.) 4
Stroke	(in.) 4
Compression ratio	7.2:1
Governed speed	(rpm) 3,400
Brake horsepower (max w/std accessories)	130 at (rpm) 3,200
Torque, maximum, gross	262 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Live axles, type	hypoid, full-floating
Transmission, type	hydramatic

TRUCK, CARGO AND DUMP, 2½-TON, 6 x 6, W/ AND W/O WINCH

(GMC, Model CCKW353, LWB, 1941-42-43)



RA PD 137842

Technical Manuals: 9-801; 9-1801; 9-1802A; 9-1825A; 9-1826C; 9-1827C; 9-1828A; Supply Catalog: SNL G-508.

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 11,950
Payload:	
Off highway	5,350; Gross 17,300
On highway	8,500; Gross 20,450
Live-axle gear ratio	6.6:1
Axle load (lb):	
Empty	front 4,900; rear (each) 3,525
Loaded:	
Off highway	front 6,180; rear (each) 5,560
On highway	front 6,940; rear (each) 6,755
Tires:	
Ply 8	Size 7.50 x 20; Pressure (psi) 55
Tread, center-to-center, front	(in.) 62¼
Shipping dimensions, uncrated:	
W/winch	(cu ft) 1,530; (sq ft) 167
W/o winch	(cu ft) 1,440; (sq ft) 157
Vehicle dimensions:	
Loading height, empty	(in.) 49½
Ground clearance	(in.) 9¾
Pintle height, loaded	(in.) 31½
Body inside dimensions (in.):	
Length 120	Width 81½; Height 64
Body cargo space	(cu ft) 340
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 40
Cooling system	(qt) 19
Crankcase, refill (qt)	1-pc oil pan 10; 2-pc oil pan 7½
Transfer	(qt) 3
Transmission (qt)	w/PTO 6¾; w/o PTO 4½
Axles (qt)	front 3
Bogie	front 3; rear 2½
Winch:	
Oil capacity	(qt) 1½
Load capacity	(lb) 10,000
Brakes:	
Manufacturer	GMC-Bendix; Type; hydrovac
Parking brake, type	transfer
Transmission:	
Forward speeds	5
Gear ratio	High 0.799:1; Fourth 1:1; Low 6.06:1

Purpose: To transport and dump earth, sand, gravel, coal, etc., and to carry general cargo.

GENERAL DATA—Continued

Transfer:	
Speeds	2
Gear ratio	High 1.16:1; Low 2.63:1

PERFORMANCE

Computed grade ability in lowest gear, loaded (percent)	65
Turning radius	(ft) 35
Fording depth	(in.) 30
Fuel consumption, loaded	(mpg) 7½
Cruising range, loaded	(mi) 300
Allowable speed, governed	(mph) 45
Maximum recommended towed load:, gross (lb):	
Off highway	4,500
On highway	7,500

ENGINE

Manufacturer: GMC	Model 270
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 269.5
Bore	(in.) 3½½
Stroke	(in.) 4
Compression ratio	6.75:1
Governed speed	(rpm) 2,750
Brake horsepower (max w/std accessories)	91.5 at (rpm) 2,750
Torque (max)	216 lb-ft at (rpm) 1,400

ADDITIONAL DATA

Weights and axle loads given for vehicle w/winch. Weight of winch 700 lb.

Live Axles, type.....spiral-bevel, full-floating

Transmission, type.....constant-mesh

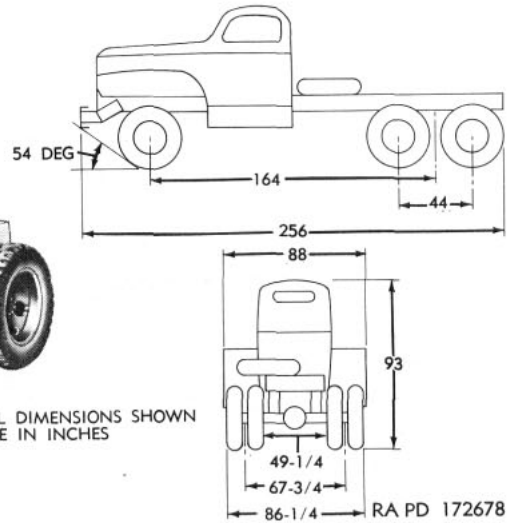
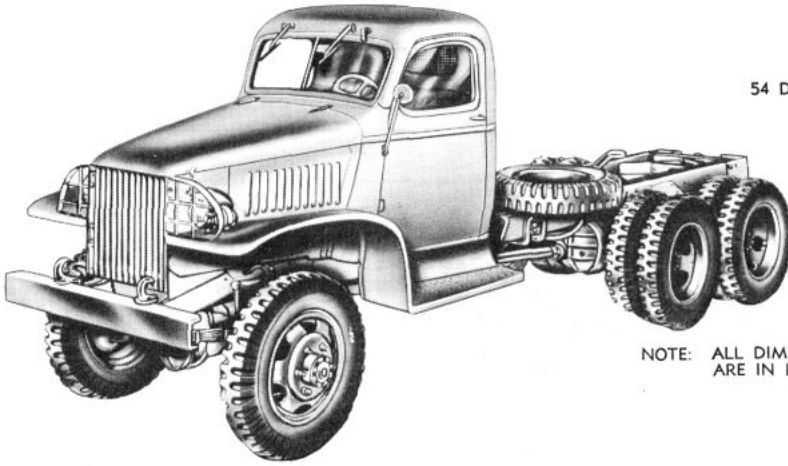
Above data given for vehicles w/split-type axle. For vehicles w/banjo-type axle changes in data are as follows:

Tread dimensions (in.):	
Front	60
Rear	67½
Outside to outside	86
Inside to inside	49

Capacities:	
Transfer	(qt) 2½
Axles (qt)	front 6½
Bogie	front 6½; rear 4½

TRUCK, CHASSIS, 2½-TON, 6 x 6

(GMC, Models CCKWX353, 1941; CCKW353, 1941-42-43, LWB)



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

RA PD 172678

Technical Manuals: 9-801, 9-1801, 9-1802A, 9-1825A, 9-1826C, 9-1827C, 9-1828A; Supply Catalog: SNL G-508.

Vehicle illustrated: Model CCKW353.

Classification: Standard.

GENERAL DATA

Crew	1
Weight (lb)	Net 8,100
Live-axle gear ratio	6.6:1
Axle load (lb)	front 4,290; rear (each) 1,905
Tires:	
Ply 8	Size 7.50 x 20; Pressure (psi) 55
Tread, center-to-center, front	(in.) 62¼
Shipping dimensions, uncrated	(cu ft) 1,220; (sq ft) 157
Vehicle dimensions:	
Ground clearance	(in.) 9¾
Pintle height, loaded	(in.) 31½
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 40
Cooling system	(qt) 19
Crankcase, refill (qt)	1-pc oil pan 10; 2-pc oil pan 7½
Transmission	(qt) 4½
Transfer	(qt) 3
Axles (qt)	front 3
Bogie	front 3; rear 2½
Brakes:	
Manufacturer	GMC-Bendix; Type, hydrovac
Parking brake, type	transfer
Transmission:	
Forward speeds	5
Gear ratio	High 0.799:1; Fourth 1:1; Low 6.06:1
Transfer:	
Speeds	2
Gear ratio	High 1.16:1; Low 2.63:1

Purpose: For use as component of cargo or special-equipment vehicle.

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 35
Fording depth	(in.) 30
Fuel consumption	(mpg) 9
Cruising range	(mi) 360
Allowable speed, governed	(mph) 45
Maximum recommended towed load:	
Off highway	gross (lb) 4,500
On highway	gross (lb) 7,500

ENGINE

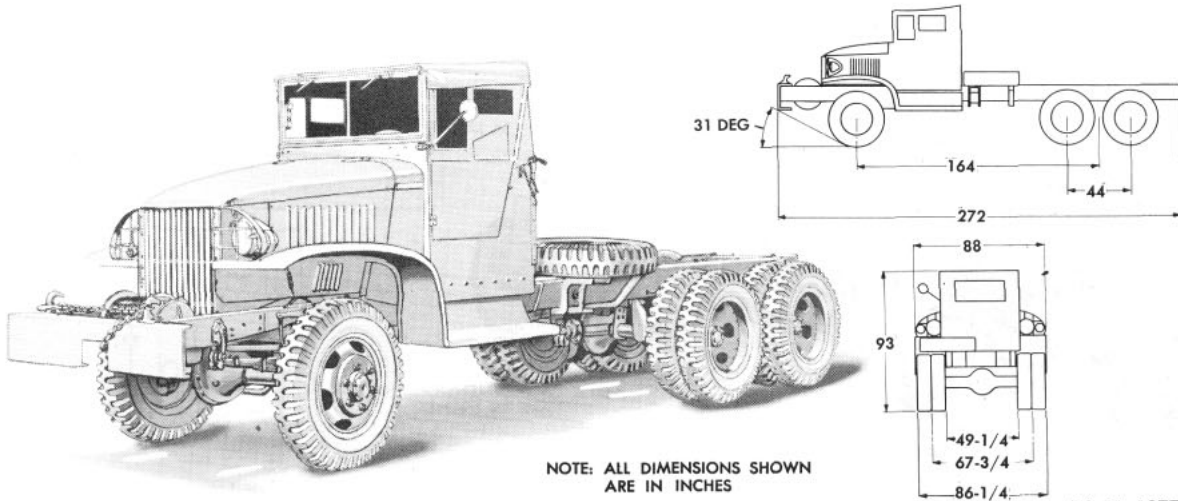
Manufacturer:	GMC	Model 270
Type	Valve-in-head, 4-cycle; No. of cylinders (in line)	6
Displacement	(cu in.)	269.5
Bore	(in.)	3¾
Stroke	(in.)	4
Compression ratio		6.75:1
Governed speed	(rpm)	2,750
Brake horsepower (max w/std accessories)		91.5 at (rpm) 2,750
Torque (max)		216 lb-ft at (rpm) 1,400

ADDITIONAL DATA

Live axles, type	spiral-bevel, full-floating
Transmission, type	constant-mesh
Data given for vehicle with split-type axle. For banjo-type axle, changes in data are as follows:	
Tread dimensions:	
Front	(in.) 60
Rear	(in.) 67½
Outside to outside	(in.) 86
Inside to inside	(in.) 49
Capacities:	
Transfer	(qt) 2¼
Axles (qt)	front 6½
Bogie	front 6½; rear 5¼

TRUCK, CHASSIS, 2½-TON, 6 x 6, W/WINCH

(GMC, Model CCKWX353, LWB, 1941)



RA PD 137733

Technical Manuals: 9-801; 9-1801; 9-1802A; 9-1825A; 9-1826C; 9-1828A; Supply Catalog: SNL G-508.

Classification: Standard.

Purpose: For use as component of cargo or special equipment vehicle.

GENERAL DATA

Crew.....	1
Weight (lb).....	Net 8,800
Live-axle gear ratio.....	6.6:1
Axle load (lb).....	front 4,990; rear (each) 1,905
Tires:	
Ply 8; Size 7.50 x 20; Pressure.....	(psi) 55
Tread, center-to-center, front.....	(in.) 62¼
Shipping dimensions, uncrated.....	(cu ft) 1,290; (sq ft) 166
Vehicle dimensions:	
Ground clearance.....	(in.) 9¾
Pintle height, loaded.....	(in.) 31½
Electrical system	
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	70
Capacities:	
Fuel.....	(gal) 40
Cooling system.....	(qt) 19
Crankcase, refill (qt.).....	1-pc oil pan 10; 2-pc oil pan 7½
Transmission.....	(qt) 6¼
Transfer.....	(qt) 3
Axles (qt.).....	front 3
Bogie.....	front 3; rear 2½
Winch:	
Oil capacity.....	(qt) 1½
Load capacity.....	(lb) 10,000
Brakes:	
Manufacturer: GMC-Bendix.....	Type: hydrovac
Parking brake, type.....	transfer
Transmission:	
Forward speeds.....	5
Gear ratio.....	High 0.799:1; Fourth 1:1; Low 6.06:1
Transfer:	
Speeds.....	2
Gear ratio.....	High 1.16:1; Low 2.63:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....	(percent) 65
Turning radius.....	(ft) 35
Fording depth.....	(in.) 30
Fuel consumption.....	(mpg) 9
Cruising range.....	(mi) 360
Allowable speed, governed.....	(mph) 45
Maximum recommended towed load, gross.....	(lb) 10,000

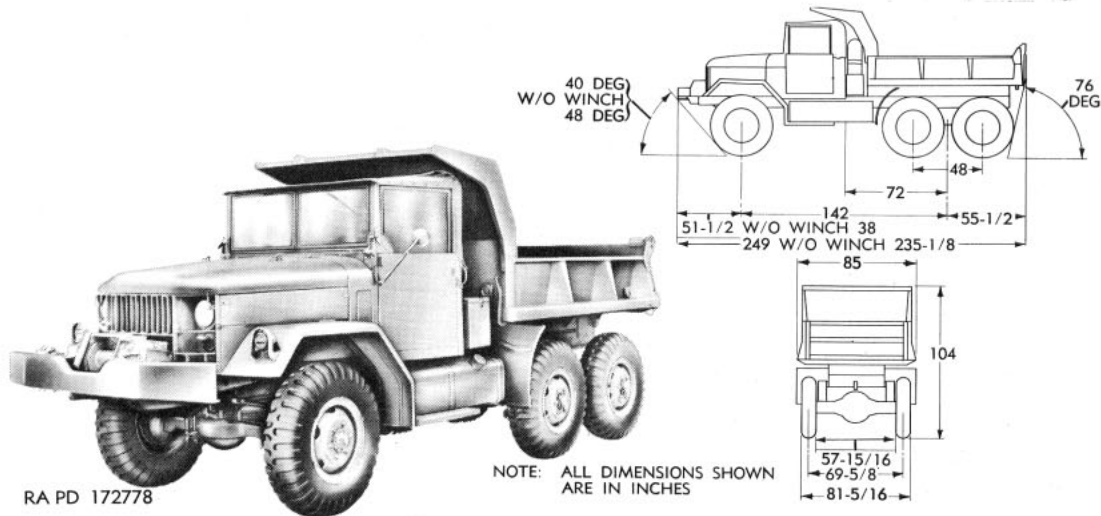
ENGINE

Manufacturer: GMC.....	Model 270
Type.....	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement.....	(cu in.) 269.5
Bore.....	(in.) 3½½
Stroke.....	(in.) 4
Compression ratio.....	6.75:1
Governed speed.....	(rpm) 2,750
Brake horsepower (max w/std accessories).....	91.5 at (rpm) 2,750
Torque (max).....	216 lb-ft at (rpm) 1,400

ADDITIONAL DATA

Live axles, type.....	spiral-bevel, full-floating
Transmission, type.....	constant-mesh
Data given for vehicle with split-type axle. For banjo-type axle, changes in data are as follows:	
Tread dimensions:	
Front.....	(in.) 60
Rear.....	(in.) 67½
Outside to outside.....	(in.) 86
Inside to inside.....	(in.) 49
Capacities:	
Transfer.....	(qt) 2¼
Axles (qt).....	front 6½
Bogie.....	front 6½; rear 5¼

TRUCK, DUMP, 2½-TON, 6 x 6, M47, W/ AND W/O WINCH



Technical Manuals: 9-819, 9-1819A, 9-1819B, 9-1825A, 9-1826D, 9-1827A, 9-1827C, 9-1828A; Supply Catalog: SNL G-742.

Purpose: To haul and dump earth, sand, gravel, coal, etc., and to transport general cargo.

GENERAL DATA

Crew	2
Weight (lb):	
Net	w/o winch 13,540; w/winch 13,860
Payload:	
Off highway	5,000
On highway	10,000
Gross:	
Off highway	w/o winch 18,450; w/winch 18,860
On highway	w/o winch 23,450; w/winch 23,860
Axle gear ratio	6.722:1
Axle load (lb):	
Empty:	
Front:	
W/o winch	5,580; rear (each) w/o winch 3,935
W/winch	6,110; w/o winch 3,875
Loaded:	
Off highway:	
Front:	
W/o winch	5,630; rear (each) w/o winch 6,410
W/winch	6,110; w/o winch 6,350
On highway:	
Front:	
W/o winch	5,680; rear (each) w/o winch 8,885
W/winch	6,210; w/o winch 8,825

Tires:	
Ply 12	Size 11.00 x 20; Pressure (psi) 50
Tread, center-to-center, front	(in.) 69½

Shipping dimensions, uncrated:	
W/o winch	(cu ft) 1,200; (sq ft) 139
W/winch	(cu ft) 1,270; (sq ft) 147

Vehicle dimensions:	
Ground clearance	(in.) 13¾
Pintle height, empty	(in.) 34¾
Body inside dimensions (in.):	
Length	108; Width 70; Height 15
Struck capacity	(cu yds) 2½

Electrical system	(volts) 24
No. of batteries	2
Type of ground	negative

Fuel octane rating	80
Brakes:	
Manufacturer	Timken-Detroit; Type; air-hydraulic
Parking brake, type	transfer

Capacities:

Fuel	(gal) 50
Cooling system	(qt) 22
Crankcase, refill	(qt) 9
Transmission (qt)	w/o PTO 4¼; w/PTO 5¼
Transfer	(qt) 7
Axles (each)	(qt) 7
Winch:	
Oil capacity	(qt) 1
Load capacity	(lb) 10,000

Transmission:

Forward speeds	5
Gear ratio	High 1:1; Fourth 1.45:1; Low 7.55:1

Transfer:

Speeds	2
Gear ratio	High 1:1; Low 1.98:1

PERFORMANCE

Computed grade ability in lowest gear, w/off-highway load	(percent) 65
Turning radius	(ft) 35
Fording depth	(in.) 72
Fuel consumption, loaded	(mpg) 6
Cruising range, loaded	(mi) 300
Allowable speed, governed	(mph) 62
Maximum pintle tow:	
Off highway	gross (lb) 6,000
On highway	gross (lb) 10,000

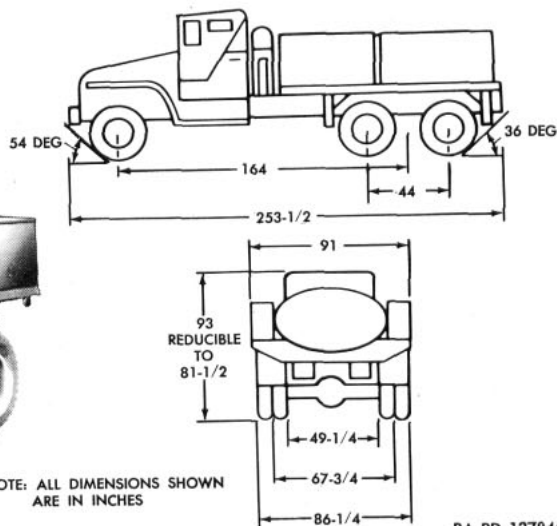
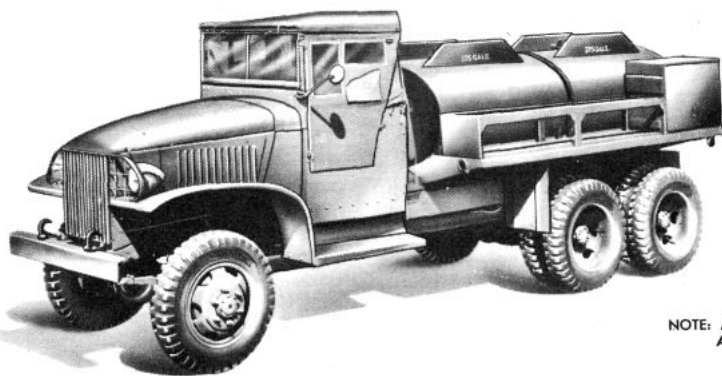
ENGINE

Manufacturer: Reo	Model 331 O A
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 331
Bore	(in.) 4¼
Stroke	(in.) 4¼
Compression ratio	6.73:1
Governed speed	(rpm) 3,400
Brake horsepower (max w/std accessories)	127 at (rpm) 3,400
Torque (max w/std accessories)	248 lb-ft at (rpm) 1,400

ADDITIONAL DATA

Axles, type	double-reduction, full-floating
Transmission, type	synchronmesh

TRUCK, GASOLINE TANK, 2½-TON, 6 x 6, 750-GAL (GMC, Models CCKW353, 1941-42-43; CCKWX353, 1941, LWB)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137846

Technical Manuals: 9-801, 9-1801, 9-1802A, 9-1825A, 9-1826C, 9-1827B, 9-1827C, 9-1828A; Supply Catalog: SNL G-508.

Classification: Standard.

Purpose: To transport and dispense gasoline.

GENERAL DATA

Crew	2
Weight (lb)	Net 10,750; Payload 5,350; Gross 16,100
Live-axle gear ratio	6.6:1
Axle load (lb):	
Empty	front 4,126; rear (each) 3,312
Loaded	front 4,480; rear (each) 5,810
Tires:	
Ply	8
Size	7.50 x 20; Pressure (psi) 55
Tread, center-to-center, front	(in.) 62¼
Shipping dimensions, uncrated	(cu ft) 1,242; (sq ft) 160
Ground clearance	(in.) 9¾
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 40
Cooling system	(qt) 19
Crankcase, refill (qt)	1-pc oil pan 10; 2-pc oil pan 7½
Transfer	(qt) 3
Transmission	(qt) 4½
Axles (qt)	front 3
Bogie	front 3; rear 2½
Brakes:	
Manufacturer	GMC-Bendix; Type; hydrovac
Parking brake, type	transfer
Transmission:	
Forward speeds	5
Gear ratio	High 0.799:1; Fourth 1:1; Low 6.06:1
Transfer:	
Speeds	2
Gear ratio	High 1.16:1; Low 2.63:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 35
Fording depth	(in.) 30
Fuel consumption, loaded	(mpg) 7½
Cruising range, loaded	(mi) 300
Allowable speed, governed	(mph) 45

ENGINE

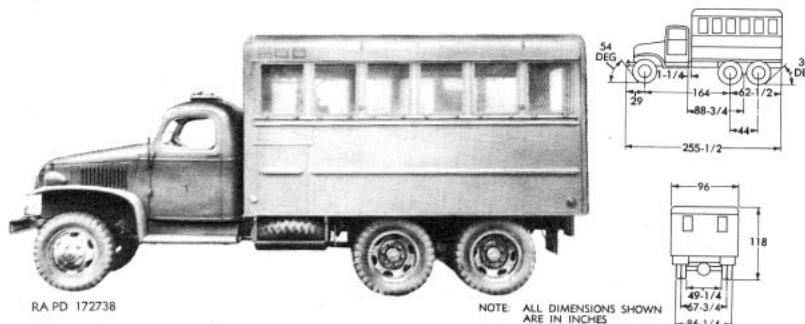
Manufacturer:	GMC	Model	270
Type	Valve-in-head, 4-cycle; No. of cylinders (in line)	6	
Displacement	(cu in.)	269.5	
Bore	(in.)	3⅝	
Stroke	(in.)	4	
Compression ratio		6.75:1	
Governed speed	(rpm)	2,750	
Brake horsepower (max w/std accessories)		91.5 at (rpm)	2,750
Torque (max)		216 lb-ft at (rpm)	1,400

ADDITIONAL DATA

Live axles, type	spiral-bevel, full-floating
Transmission, type	constant-mesh
Data given for vehicle with split-type axle. For banjo-type axle, changes in data are as follows:	
Tread dimensions:	
Front	(in.) 60
Rear	(in.) 67½
Outside to outside	(in.) 86
Inside to inside	(in.) 49
Capacities:	
Transfer	(qt) 2¼
Axles (qt)	front 6¾
Bogie	front 6¾; rear 5¼

TRUCK, SHOP VAN, 2 1/2-TON, 6 x 6

GMC, Model CCKW353, w/ST5 Non-Collapsible Body)



RA PD 172738

NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Technical Manuals: 9-801, 9-1801, 9-1802A, 9-1825A, 9-1826C, 9-1827B, 9-1827C, 9-1828A, 9-1829A; Supply Catalogs: SNL G-138, 139, 140, 141, 142, 146, 229, 508

GENERAL DATA

Crew	2
Weight (lb)	Net 10,100; Payload 5,000; Gross 15,100
Axle gear ratio	6.66:1
Axle load (lb):	
Empty	front 3,366; rear (each) 3,367
Loaded	front 3,856; rear (each) 5,622
Tires:	
Ply 8	Size 7.50 x 20; Pressure (psi) 55
Tread, center-to-center, front	(in.) 62 3/4
Shipping dimensions, uncrated	(cu ft) 1,690; (sq ft) 171
Vehicle dimensions:	
Ground clearance	(in.) 9 7/8
Pintle height, empty	(in.) 31 1/2
Loading height, empty	(in.) 40 1/2
Body inside dimensions (in.):	
Length	144
Width	90
Height	75 1/2
Cargo space	(cu ft) 565
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 40
Cooling system	(qt) 19
Crankcase, refill (qt)	1-pc oil pan 10; 2-pc oil pan 7 1/2
Transmission	(qt) 4 1/2
Transfer	(qt) 3
Axles (qt)	front 3
Bogie	front 3; rear 2 1/2
Brakes:	
Manufacturer	GMC-Bendix; Type; hydrovac
Parking brake, type	transfer
Transmission:	
Forward speeds	5
Gear ratio	High 0.799:1; Fourth 1:1; Low 6.06:1
Transfer:	
Speeds	2
Gear ratio	High 1.16:1; Low 2.63:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius (ft)	Right 35; Left 36
Fording depth	(in.) 30
Fuel consumption, loaded	(mpg) 7 1/2
Cruising range, loaded	(mi) 300
Allowable speed, governed	(mph) 45
Maximum pintle tow:	
Off highway	gross (lb) 4,500
On highway	gross (lb) 7,500

Classification: Nonclassified.

Purpose: To provide mobile facilities for maintenance and repair for various services.

ENGINE

Manufacturer: GMC	Model 270
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 270
Bore	(in.) 3 ²⁵ / ₃₂
Stroke	(in.) 4
Compression ratio	6.75:1
Governed speed	(rpm) 2,750
Brake horsepower (max w/std accessories)	92 at (rpm) 2,750
Torque (max w/std accessories)	216 lb-ft at (rpm) 1,400

ADDITIONAL DATA

Axles, type	spiral-bevel, full-floating
Transmission, type	constant-mesh
Insulated body and personnel heater.	

Above data given for vehicles with split axle; for banjo axle, changes in data are as follows:

Tread dimensions:	
Front	(in.) 60
Rear	(in.) 67 1/2
Outside to outside	(in.) 86
Inside to inside	(in.) 49

Capacities:	
Transfer	(qt) 2 1/4
Axles (qt)	front 6 1/2
Bogie	front 6 1/2; rear 5 1/2

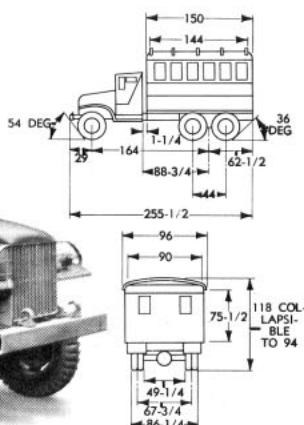
The same chassis and body is also used in the following vehicles:

Truck, 2 1/2-ton, 6 x 6, Artillery Repair, M9	(L Std)
Truck, 2 1/2-ton, 6 x 6, Artillery Repair, M9A1	(Std)
Truck, 2 1/2-ton, 6 x 6, Automotive Repair, Load A, M8	(L Std)
Truck, 2 1/2-ton, 6 x 6, Automotive Repair, Load B, M8	(L Std)
Truck, 2 1/2-ton, 6 x 6, Electrical Repair, M18	(L Std)
Truck, 2 1/2-ton, 6 x 6, Instrument Repair, Load A, M10	(L Std)
Truck, 2 1/2-ton, 6 x 6, Instrument Repair, Load B, M10	(L Std)
Truck, 2 1/2-ton, 6 x 6, Instrument Repair, Load A, M10A1	(Std)
Truck, 2 1/2-ton, 6 x 6, Instrument Repair, Load B, M10A1	(Std)
Truck, 2 1/2-ton, 6 x 6, Machine Shop, Load A, M16	(L Std)
Truck, 2 1/2-ton, 6 x 6, Machine Shop, Load B, M16	(L Std)
Truck, 2 1/2-ton, 6 x 6, Machine Shop, Load B1, M16	(L Std)
Truck, 2 1/2-ton, 6 x 6, Machine Shop, Load B2, M16	(L Std)
Truck, 2 1/2-ton, 6 x 6, Machine Shop, Load C, M16	(L Std)
Truck, 2 1/2-ton, 6 x 6, Machine Shop, Load D, M16	(L Std)
Truck, 2 1/2-ton, 6 x 6, Machine Shop, Load F, M16	(L Std)
Truck, 2 1/2-ton, 6 x 6, Small Arms Repair, M7	(L Std)
Truck, 2 1/2-ton, 6 x 6, Small Arms Repair (Signal Corps), M7	(L Std)
Truck, 2 1/2-ton, 6 x 6, Spare Parts, Load A, M14	(L Std)
Truck, 2 1/2-ton, 6 x 6, Spare Parts, Load B, M14	(L Std)
Truck, 2 1/2-ton, 6 x 6, Welding, M12	(L Std)

TRUCK, SHOP VAN, 2½-TON, 6 x 6, M535



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES
RA PD 172768



Technical Manuals: 9-801, 9-1801, 9-1802A, 9-1825A, 9-1826C, 9-1827B, 9-1827C, 9-1828A, 9-1829A; **Supply Catalogs:** SNL G-138, 139, 142, 146, 149, 178, 229, 234, 235, 508

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 10,100; Payload 5,000; Gross 15,100
Axle gear ratio	6.66:1
Axle load (lb):	
Empty.....	front 3,366; rear (each) 3,367
Loaded.....	front 3,856; rear (each) 5,622
Tires:	
Ply 8.....	Size 7.50 x 20; Pressure (psi) 55
Tread, center-to-center, front.....	(in.) 62¼
Shipping dimensions, uncrated	(cu ft) 1,340; (sq ft) 171
Vehicle dimensions:	
Ground clearance.....	(in.) 9¾
Pintle height, empty.....	(in.) 31½
Loading height, empty.....	(in.) 40½
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	negative
Fuel octane rating	70
Capacities:	
Fuel.....	(gal) 40
Cooling system.....	(qt) 19
Crankcase, refill (qt).....	1-pc oil pan 10; 2-pc oil pan 7½
Transmission.....	(qt) 4½
Transfer.....	(qt) 3
Axles (qt).....	front 3
Bogie.....	front 3; rear 2½
Brakes:	
Manufacturer.....	GMC-Bendix; Type; hydrovac
Parking brake, type.....	transfer
Transmission:	
Forward speeds.....	5
Gear ratio.....	High 0.799:1; Fourth 1:1; Low 6.06:1
Transfer:	
Speeds.....	2
Gear ratio.....	High 1.16:1; Low 2.63:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius (ft)	Right 35; Left 36
Fording depth	(in.) 30
Fuel consumption, loaded	(mpg) 7½
Cruising range, loaded	(mi) 300
Allowable speed, governed	(mpg) 45
Maximum pintle tow:	
Off highway.....	gross (lb) 4,500
On highway.....	gross (lb) 7,500

Purpose: To provide mobile facilities for maintenance and repair for various services.

ENGINE

Manufacturer: GMC.....	Model 270
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 270
Bore	(in.) 3½½
Stroke	(in.) 4
Compression ratio	6.75:1
Governed speed	(rpm) 2,750
Brake horsepower (max w/std accessories)	92 at (rpm) 2,750
Torque (max w/std accessories)	216 lb-ft at (rpm) 1,400

ADDITIONAL DATA

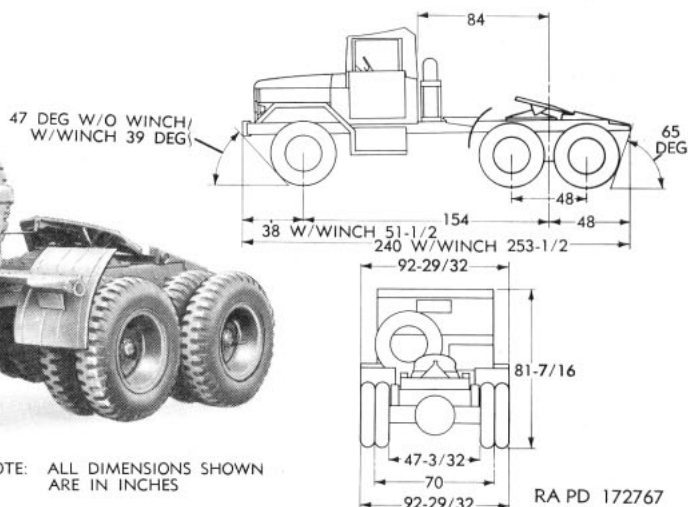
Axles, type	spiral-bevel, full-floating
Transmission, type	constant-mesh
Insulated body and personnel heater.	
Above data given for vehicles with split axle; for banjo axle, changes in data are as follows:	
Tread dimensions:	
Front.....	(in.) 60
Rear.....	(in.) 67½
Outside to outside.....	(in.) 86
Inside to inside.....	(in.) 49

Capacities:	
Transfer.....	(qt) 2½
Axles (qt).....	Front 6½
Bogie.....	front 6½; rear 5½
The same chassis and body is also used in the following vehicles:	
Truck, 2½-ton, 6 x 6, Automotive Repair, Load A, M8A1.....	(L Std)
Truck, 2½-ton, 6 x 6, Automotive Repair, Load B, M8A1.....	(L Std)
Truck, 2½-ton, 6 x 6, Electrical Repair, M18A1.....	(L Std)
Truck, 2½-ton, 6 x 6, Electrical Repair, M18A2.....	(Std)
Truck, 2½-ton, 6 x 6, Instrument Bench, M23.....	(Std)
Truck, 2½-ton, 6 x 6, Machine Shop, Load A, M16A1.....	(L Std)
Truck, 2½-ton, 6 x 6, Machine Shop, Load B, M16A1.....	(L Std)
Truck, 2½-ton, 6 x 6, Machine Shop, Load B1, M16A1.....	(L Std)
Truck, 2½-ton, 6 x 6, Machine Shop, Load B2, M16A1.....	(L Std)
Truck, 2½-ton, 6 x 6, Machine Shop, Load C, M16A1.....	(Std)
Truck, 2½-ton, 6 x 6, Machine Shop, Load D, M16A1.....	(Std)
Truck, 2½-ton, 6 x 6, Machine Shop, Load F, M16A1.....	(Std)
Truck, 2½-ton, 6 x 6, Machine Shop, Load A, M16A2.....	(Std)
Truck, 2½-ton, 6 x 6, Machine Shop, Load B, M16A2.....	(Std)
Truck, 2½-ton, 6 x 6, Signal Corps General Repair, M30.....	(Std)
Truck, 2½-ton, 6 x 6, Signal Corps General Repair, M31.....	(Std)
Truck, 2½-ton, 6 x 6, Small Arms Repair, M7A1.....	(L Std)
Truck, 2½-ton, 6 x 6, Small Arms Repair, M7A2.....	(Std)
Truck, 2½-ton, 6 x 6, Tire Repair, Load A, M32.....	(Std)
Truck, 2½-ton, 6 x 6, Tire Repair, Load B, M32.....	(Std)
Truck, 2½-ton, 6 x 6, Welding, M12A1.....	(L Std)

47 DEG W/O WINCH/
W/WINCH 39 DEG

3'

NOTE: ALL DIMENSIONS SHOWN



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172767

GENERAL DATA

Crew.....	2
Weight (lb):	
Net.....	w/o winch 11,430; w/winch 11,841
Payload:	
Off highway.....	7,000
On highway.....	12,000
Gross:	
Off highway.....	w/o winch 18,430; w/winch 18,841
On highway.....	w/o winch 23,430; w/winch 23,841
Axle gear ratio.....	6.722:1
Axle load (lb):	
Empty:	
Front:	
W/o winch.....	5,420; rear (each) w/o winch 3,005
W/winch.....	5,915; w/winch 2,963
Loaded:	
Off highway:	
Front:	
W/o winch.....	5,600; rear (each) w/o winch 6,415
W/winch.....	6,097; w/winch 6,372
On highway:	
Front:	
W/o winch.....	5,227; rear (each) w/o winch 8,850
W/winch.....	5,730; w/winch 8,807
Tires:	
Ply 8.....	Size 9.00 x 20; Pressure (psi) 45
Tread, center-to-center, front.....	(in.) 67½
Shipping dimensions, uncrated:	
W/o winch.....	(cu ft) 1,058; (sq ft) 155
W/winch.....	(cu ft) 1,118; (sq ft) 164
Vehicle dimensions:	
Ground clearance.....	(in.) 12¾
Pintle height, empty.....	(in.) 34¾
Height to center of fifth wheel, empty.....	(in.) 51½
Height to rear of fifth wheel, empty.....	(in.) 39¼
Fifth wheel mounted forward of bogie axle.....	(in.) 4
Electrical system.....	(volts) 24
No. of batteries.....	(12-volts) 2
Type of ground.....	negative
Fuel octane rating.....	80
Brakes:	
Manufacturer.....	Timken-Detroit; Type; air hydraulic
Parking brake, type.....	transfer

GENERAL DATA—Continued

Capacities:

Fuel.....	(gal) 50
Cooling system.....	(qt) 22
Crankcase, refill.....	(qt) 9
Transmission (qt).....	w/o PTO 4¼; w/PTO 5¼
Transfer.....	(qt) 7
Axles.....	(each) (qt) 7
Winch:	
Oil capacity.....	(qt) 1
Load capacity.....	(lb) 10,000
Transmission:	
Forward speeds.....	5
Gear ratio.....	High 1:1; Fourth 1.45:1; Low 7.55:1
Transfer:	
Speeds.....	2
Gear ratio.....	High 1:1; Low 1.98:1

PERFORMANCE

Computed grade ability in lowest gear, w/off-highway load	(percent)	40
Turning radius	(ft)	36
Fording depth	(in.)	72
Fuel consumption, loaded	(mpg)	6
Cruising range, loaded	(mi)	300
Allowable speed, governed	(mph)	58
Maximum pintle tow:		
Off highway	gross (lb)	6,000
On highway	gross (lb)	10,000
Maximum semitrailer, gross	(lb)	25,000

ENGINE

Manufacturer: Reo	Model 331 OA
Type	4-cycle, valve-in-head; No. of cylinders (in line)
Displacement	(cu in.) 331
Bore	(in.) 4 3/8
Stroke	(in.) 4 3/8
Compression ratio	6.73:1
Governed speed	(rpm) 3,400
Brake horsepower (max w/std accessories)	127 at (rpm) 3,400
Torque (max w/std accessories)	248 lb-ft at (rpm) 1,400

ADDITIONAL DATA

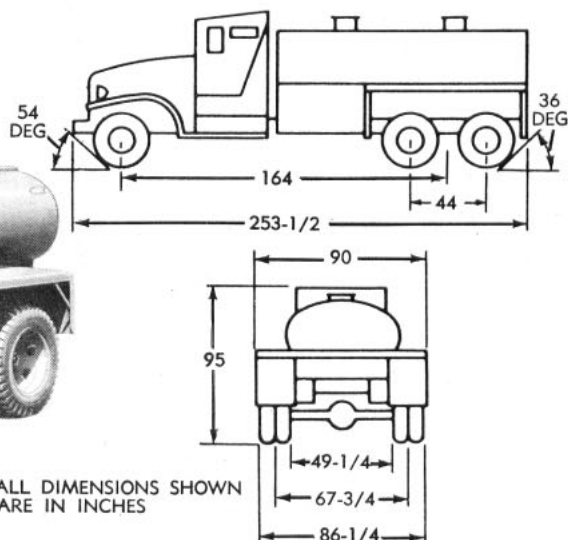
Axles, type.....double-reduction, full-floating
Transmission, type.....synchromesh

TRUCK, WATER TANK, 2½-TON, 6 x 6, 700-GAL

(GMC, Model CCKW353, LWB, 1941-42-43)



RA PD 172694



Technical Manuals: 9-801, 9-1801, 9-1802A, 9-1825A, 9-1826C, 9-1827B, 9-1828A; Supply Catalog: SNL G-508.

Classification: Standard.

Purpose: To transport drinking water.

GENERAL DATA

Crew	2
Weight (lb)	Net 11,913; Payload 5,350; Gross 17,263
Live-axle gear ratio	6.6:1
Axle load (lb.):	
Empty	front 4,261; rear (each) 3,826
Loaded	front 6,151; rear (each) 5,556
Tires:	
Ply 8	Size 7.50 x 20; Pressure (psi) 55
Tread, center-to-center, front	(in.) 62¼
Shipping dimensions, uncrated	(cu ft) 1,260; (sq ft) 159
Ground clearance	(in.) 9¾
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	70
Capacities:	
Fuel	(gal) 40
Cooling system	(qt) 19
Crankcase, refill (qt)	1-pc oil pan 10; 2-pc oil pan 7½
Transfer	(qt) 3
Transmission	(qt) 4½
Axles (qt)	front 3
Bogie	front 3; rear 2½
Brakes:	
Manufacturer	GMC-Bendix; Type; hydrovac
Parking brake, type	transfer
Transmission:	
Forward speeds	5
Gear ratio	High 0.799:1; Fourth 1:1; Low 6.06:1
Transfer:	
Speeds	2
Gear ratio	High 1.16:1; Low 2.63:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 35
Fording depth	(in.) 30
Fuel consumption, loaded	(mpg) 7½
Cruising range, loaded	(mi) 300
Allowable speed, governed	(mph) 45

ENGINE

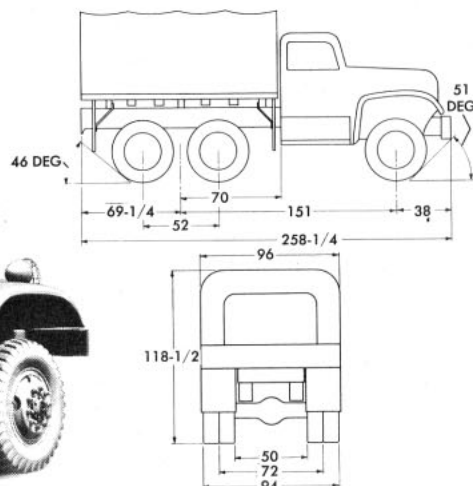
Manufacturer:	GMC	Model 270
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6	
Displacement	(cu in.) 269.5	
Bore	(in.) 3 $\frac{1}{2}$	
Stroke	(in.) 4	
Compression ratio	6.75:1	
Governed speed	(rpm) 2,750	
Brake horsepower (max w/std accessories)	91.5 at (rpm) 2,750	
Torque (max)	216 lb-ft at (rpm) 1,400	

ADDITIONAL DATA

Live axles, type	spiral-bevel, full-floating
Transmission, type	constant-mesh
Data given for vehicle with split-type axle. For banjo-type, changes in data are as follows:	
Tread, center-to-center, front 60 in.; rear 67½ in., outside to outside 86 in., inside to inside 49 in.	
Capacities:	
Transfer	(qt) 2¼
Axles (qt)	front 6½
Bogie	front 6½; rear 5¼

TRUCK, CARGO, 4-TON, 6 x 6

(Diamond T, Model 968A, SWB, 1942)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137756

Technical Manuals: 9-811, 9-1811, 9-1825B, 9-1826C, 9-1827A, 9-1828A, 9-1832A; Supply Catalog: SNL G-509.

Classification: Standard.

GENERAL DATA

Crew.....	2
Weight (lb).....	Net 17,200
Payload w/crew.....	off highway 8,350; on highway 17,300
Gross.....	off highway 25,550; on highway 34,500
Live-axle gear ratio.....	8.435:1
Axle load (lb):	
Empty.....	front 6,620; rear each 5,290
Loaded:	
Off highway.....	front 6,870; rear each 9,340
On highway.....	front 6,870; rear each 13,815
Tires:	
Ply 10; Size 9.00 x 20; Pressure.....	(psi) 65
Tread, center-to-center, front.....	(in.) 73 3/4
Shipping dimensions, uncrated.....	(cu ft) 1,700; (sq ft) 172
Vehicle dimensions:	
Ground clearance.....	(in.) 11
Pintle height, loaded.....	(in.) 36 1 3/16
Loading height, empty.....	(in.) 58 5/16
Body inside dimensions (in.):	
Length.....	132
Width.....	88
Height.....	59
Cargo space.....	(cu ft) 397
Electrical system (12-volt starting).....	(vots) 6
No. of batteries.....	(6-volt) 2
Type of ground.....	positive
Fuel octane rating.....	72
Capacities:	
Fuel.....	(gal) 60
Cooling system.....	(qt) 48
Crankcase, refill.....	(qt) 16
Transmission.....	(qt) 10 1/2
Transfer.....	(qt) 1 1/2
Axles (qt).....	front 7 1/2; rear (each) 3 3/4
Winch:	
Oil capacity.....	(qt) 1 3/4
Load capacity.....	(lb) 15,000

Purpose: To transport general cargo and tow 155-mm howitzer.

GENERAL DATA—Continued

Brakes:	
Manufacturer: Bendix-Westinghouse.....	Type: air
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	5
Gear ratio.....	High 0.768:1; Fourth 1:1; Low 7.08:1
Transfer:	
Speeds.....	2
Gear ratio.....	High 1:1; Low 1.72:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....	(percent) 65
Turning radius (ft).....	Right 32 1/2; Left 34
Fording depth.....	(in.) 24
Fuel consumption, loaded.....	(mpg) 3
Cruising range, loaded.....	(mi) 180
Allowable speed, governed.....	(mph) 40
Maximum recommended towed load:	
Off highway, gross.....	(lb) 11,000
On highway, gross.....	(lb) 25,000

ENGINE

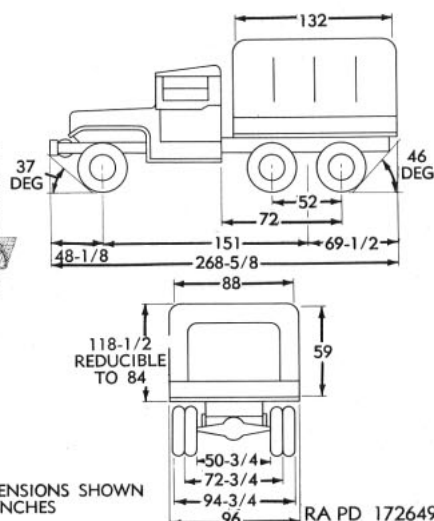
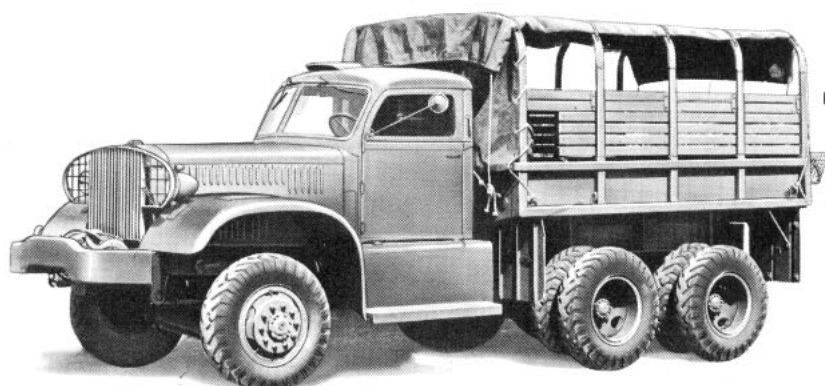
Manufacturer: Hercules.....	Model RXC
Type.....	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement.....	(cu in.) 529
Bore.....	(in.) 4 5/8
Stroke.....	(in.) 5 1/4
Compression ratio.....	5.4:1
Governed speed.....	(rpm) 2,300
Brake horsepower (max w/std accessories).....	106 at (rpm) 2,300
Torque (max w/std accessories).....	342 lb-ft at (rpm) 900

ADDITIONAL DATA

Over-all height with gun mount.....	(in.) 127 1/4
This model supplied w/both open and closed cabs.	
Live axles, type.....	double-reduction, full-floating
Transmission, type.....	constant-mesh

TRUCK, CARGO, 4-TON, 6 x 6, W/WINCH

(Diamond T, Model 967, SWB, 1941)



Technical Manuals: 9-811, 9-1811, 9-1825B, 9-1826C, 9-1827A, 9-1828A, 9-1832A; Supply Catalog: SNL G-509.

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb): Net	18,050
Payload w/crew	off highway 8,350; on highway 16,450
Gross	off highway 26,400; on highway 34,500
Live-axle gear ratio	8.435:1
Axle load (lb):	
Empty	front 7,600; rear (each) 5,225
Loaded:	
Off highway	front 7,850; rear (each) 9,275
On highway	front 8,100; rear (each) 13,200
Tires:	
Ply 10	Size 9.00 x 20; Pressure (psi) 65
Tread, center-to-center, front	(in.) 73 3/4
Shipping dimensions, uncrated	(cu ft) 1,760; (sq ft) 179
Vehicle dimensions:	
Ground clearance	(in.) 11
Pintle height, loaded	(in.) 36 3/16
Loading height, empty	(in.) 58 3/16
Body inside dimensions (in.):	
Length	132; Width 88; Height 59
Cargo space	(cu ft) 397
Electrical system (12-volt starting)	(volts) 6
No. of batteries	(6-volt) 2
Type of ground	positive
Fuel octane rating	68
Capacities:	
Fuel	(gal) 60
Cooling system	(qt) 36
Crankcase	(qt) 16
Transfer	(qt) 5
Transmission, w/power take-off	(qt) 12
Axles (qt)	front 6; rear (each) 3
Winch:	
Oil capacity	(qt) 1 3/4
Load capacity	(lb) 15,000
Brakes:	
Manufacturer	Bendix-Westinghouse; Type; air
Parking brake, type	transmission

Purpose: To transport general cargo and tow 155-mm howitzer.

GENERAL DATA—Continued

Transmission:	
Forward speeds	5
Gear ratio	High 0.768:1; Fourth 1:1; Low 7.08:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 2.05:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 68
Turning radius (ft)	right 32 1/2; left 34
Fording depth	(in.) 24
Fuel consumption, loaded	(mpg) 3
Cruising range, loaded	(mi) 180
Allowable speed, governed	(mph) 40
Maximum recommended towed load:	
Off highway, gross	(lb) 11,000
On highway, gross	(lb) 25,000

ENGINE

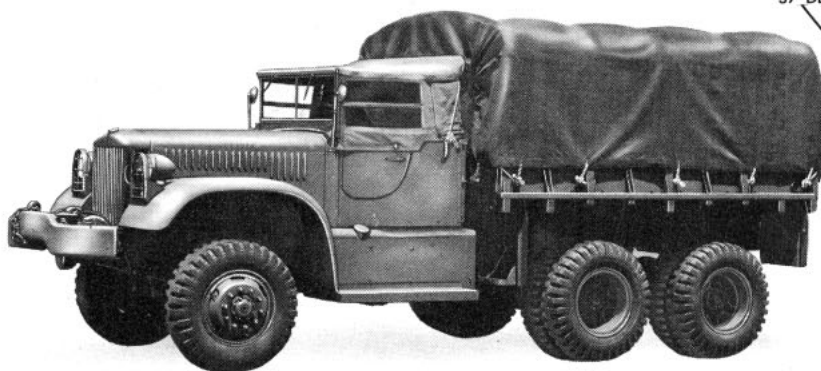
Manufacturer: Hercules	Model RXB
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 501
Bore	(in.) 4 1/2
Stroke	(in.) 5 1/4
Compression ratio	5.4:1
Governed speed	(rpm) 2,300
Brake horsepower (max w/std accessories)	98 at (rpm) 2,200
Torque (max w/std accessories)	311 lb-ft at (rpm) 1,000

ADDITIONAL DATA

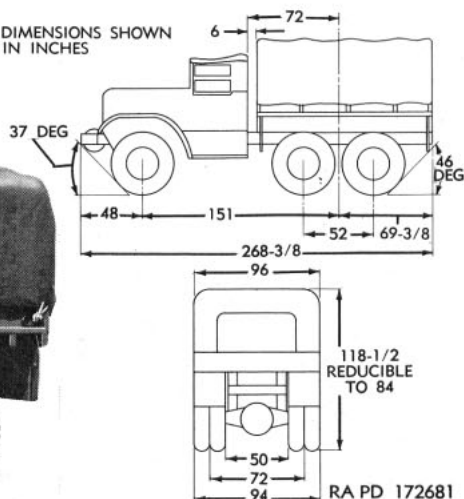
Live axles, type	double-reduction, full-floating
Transmission, type	constant-mesh

TRUCK, CARGO, 4-TON, 6 x 6, W/WINCH

(Diamond T, Models 968, SWB, 1941; 968A, SWB, 1942; and 968B, SWB)



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES



Technical Manuals: 9-811, 9-1811, 9-1825B, 9-1826C, 9-1827A, 9-1828A, 9-1832A; Supply Catalog: SNL G-509.

Vehicle illustrated: Model 968B, SWB.

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 18,050
Payload w/crew	off highway 8,350; on highway 16,450
Gross	off highway 26,400; on highway 34,500
Live-axle gear ratio	8.435:1
Axle load (lb):	
Empty	front 6,620; rear (each) 5,290
Loaded:	
Off highway	front 6,870; rear (each) 9,340
On highway	front 6,870; rear (each) 13,815
Tires:	
Ply 10	Size 9.00 x 20; Pressure (psi) 65
Tread, center-to-center, front	(in.) 73 3/4
Shipping dimensions, uncrated	(cu ft) 1,246; (sq ft) 178
Vehicle dimensions (in.):	
Ground clearance	11
Pintle height, loaded	36 1/16
Loading height, empty	58 3/16
Body inside dimensions (in.):	
Length	132; Width 88; Height 59
Cargo space	(cu ft) 397
Electrical system (12-volt starting)	(volts) 6
No. of batteries	(6-volt) 2
Type of ground	positive
Fuel octane rating	72
Capacities:	
Fuel	(gal) 60
Cooling system	(qt) 48
Crankcase, refill	(qt) 16
Transmission	(qt) 10 1/2
Transfer	(qt) 1 1/4
Axles (qt)	front 7 1/4; rear (each) 3 3/4
Winch:	
Oil capacity	(qt) 1 3/4
Load capacity	(lb) 15,000
Brakes:	
Manufacturer	Bendix-Westinghouse; Type; air
Parking brake, type	transmission

Purpose: To transport general cargo and tow 155-mm howitzer.

GENERAL DATA—Continued

Transmission:	
Forward speeds	5
Gear ratio	High 0.768:1; Fourth 1:1; Low 7.08:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 1.72:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius (ft)	Right 32 1/2; Left 34
Fording depth	(in.) 24
Fuel consumption, loaded	(mpg) 3
Cruising range, loaded	(mi) 180
Allowable speed, governed	(mph) 40
Maximum recommended towed load:	
Off highway, gross	(lb) 11,000
On highway, gross	(lb) 25,000

ENGINE

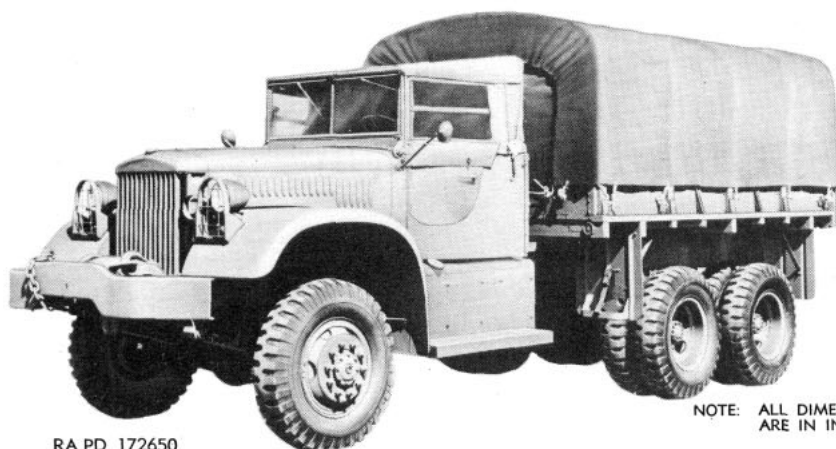
Manufacturer: Hercules	Model RXC
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 529
Bore	(in.) 4 3/4
Stroke	(in.) 5 1/4
Compression ratio	5.4:1
Governed speed	(rpm) 2,300
Brake horsepower (max w/std accessories)	106 at (rpm) 2,300
Torque (max w/std accessories)	342 lb-ft at (rpm) 900

ADDITIONAL DATA

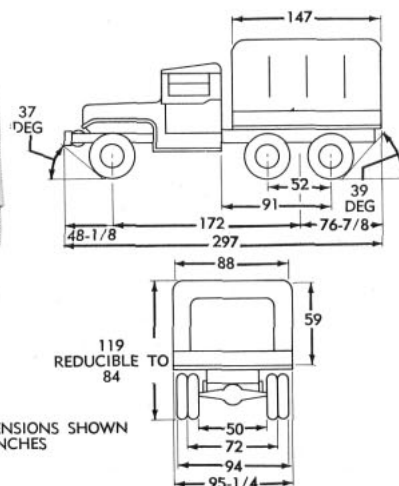
Over-all height with gun mount (in.)	127 1/4
Models 968 and 968B supplied with closed cab; model 968A with open and closed cabs.	
Live axles, type	double-reduction, full-floating
Transmission, type	constant-mesh

TRUCK, CARGO, 4-TON, 6 x 6, W/WINCH

(Diamond T, Model 970A, LWB, 1942)



RA PD 172650



Technical Manuals: 9-811, 9-1811, 9-1825B, 9-1826C, 9-1827A, 9-1828A, 9-1832A; Supply Catalog: SNL G-509.

Classification: Standard.

Purpose: To transport general cargo and tow 155-mm howitzer.

GENERAL DATA

Crew	2
Weight (lb)	Net 18,450
Payload w/crew	off highway 8,350; on highway 16,050
Gross	off highway 26,800; on highway 34,500
Live-axle gear ratio	8.435:1
Axle load (lb):	
Empty	front 7,745; rear (each) 5,353
Loaded:	
Off highway	front 7,850; rear (each) 9,475
On highway	front 7,965; rear (each) 13,268
Tires:	
Ply 10	Size 9.00 x 20; Pressure (psi) 65
Tread, center-to-center, front	(in.) 73 3/4
Shipping dimensions, uncrated	(cu ft) 1,970; (sq ft) 199
Vehicle dimensions (in.):	
Ground clearance	11
Pintle height, loaded	36 1/4
Loading height, empty	58 1/4
Body inside dimensions (in.):	
Length	147; Width 88; Height 59
Cargo space	(cu ft) 44
Electrical system (12-volt starting)	(volts) 6
No. of batteries	(6-volt) 2
Type of ground	positive
Fuel octane rating	72
Capacities:	
Fuel	(gal) 60
Cooling system	(qt) 48
Crankcase, refill	(qt) 16
Transmission	(qt) 12
Transfer	(qt) 1 1/4
Axles (qt)	front 7 1/4; rear (each) 3 3/4
Winch:	
Oil capacity	(qt) 1 1/4
Load capacity	(lb) 15,000
Brakes:	
Manufacturer	Bendix-Westinghouse; Type; air
Parking brake, type	transmission

GENERAL DATA—Continued

Transmission:	
Forward speeds	5
Gear ratio	High 0.768:1; Fourth 1:1; Low 7.08:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 1.72:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius (ft)	right 37 1/2; left 39
Fording depth	(in.) 24
Fuel consumption, loaded	(mpg) 3
Cruising range, loaded	(mi) 180
Allowable speed, governed	(mph) 40
Maximum recommended towed load:	
Off highway, gross	(lb) 11,000
On highway, gross	(lb) 25,000

ENGINE

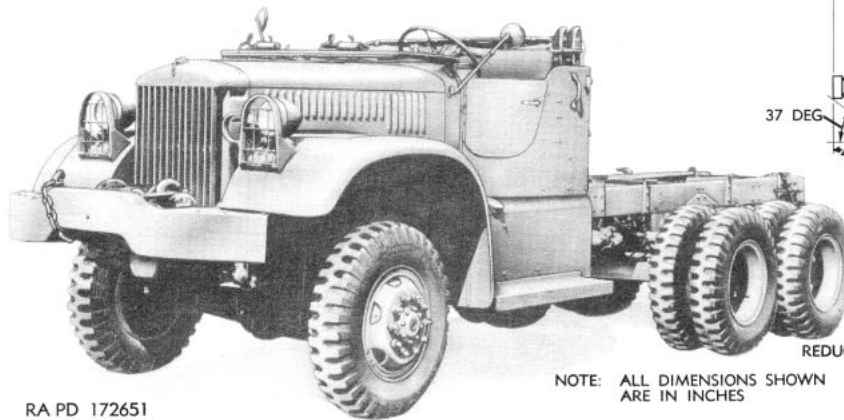
Manufacturer: Hercules	Model RXC
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 529
Bore	(in.) 4 5/8
Stroke	(in.) 5 1/4
Compression ratio	5.4:1
Governed speed	(rpm) 2,300
Brake horsepower (max w/std accessories)	106 at (rpm) 2,300
Torque (max w/std accessories)	342 lb-ft at (rpm) 900

ADDITIONAL DATA

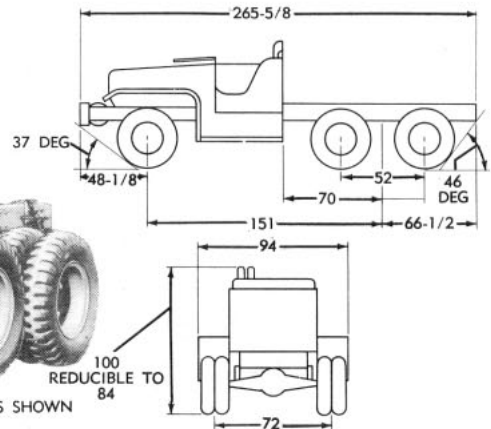
Supplied w/open and closed cabs.	
Live axles, type	double-reduction, full-floating
Transmission, type	constant-mesh

TRUCK, CHASSIS, 4-TON, 6 x 6, W/ AND W/O WINCH

(Diamond T, Model 968A, SWB, 1942)



RA PD 172651



Technical Manuals: 9-811, 9-1811, 9-1825B, 9-1826C, 9-1827A, 9-1828A, 9-1832A; Supply Catalog: SNL G-509.

Classification: Nonclassified.

Purpose: To be used as component of general-purpose or special-equipment truck.

GENERAL DATA

Crew	2
Weight (lb)	Net 14,800; Max gross 34,500
Live-axle gear ratio	8.435:1
Axle load, empty (lb)	front 7,600; rear (each) 3,600
Tires:	
Ply 10	Size 9.00 x 20; Pressure (psi) 65
Tread, center-to-center, front	(in.) 73 3/4
Shipping dimensions, uncrated	(cu ft) 1,440; (sq ft) 173
Vehicle dimensions:	
Ground clearance	(in.) 11
Pintle height, loaded	(in.) 36 1/4
Electrical system (12-volt starting) (volts) 6	
No. of batteries	(6-volt) 2
Type of ground	positive
Fuel octane rating	72
Capacities:	
Fuel	(gal) 60
Cooling system	(qt) 48
Crankcase, refill	(qt) 16
Transmission	(qt) 12
Transfer	(qt) 1 1/2
Axles (qt)	front 7 1/2; rear (each) 3 3/4
Winch:	
Oil capacity	(qt) 1 1/4
Load capacity	(lb) 15,000
Brakes:	
Manufacturer	Bendix-Westinghouse; Type: air
Parking brake, type	transmission
Transmission:	
Forward speeds	5
Gear ratio	High 0.768:1; Fourth 1:1; Low 7.08:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 1.72:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 68
Turning radius (ft)	Right 32 1/2; Left 34
Fording depth	(in.) 24
Fuel consumption, loaded	(mpg) 3
Cruising range, loaded	(mi) 180
Allowable speed, governed	(mph) 40
Maximum recommended towed load:	
Off highway, gross	(lb) 11,000
On highway, gross	(lb) 25,000

ENGINE

Manufacturer: Hercules	Model RXC
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 529
Bore	(in.) 4 1/2
Stroke	(in.) 5 1/4
Compression ratio	5.4:1
Governed speed	(rpm) 2,300
Brake horsepower (max w/std accessories)	106 at (rpm) 2,300
Torque (max w/std accessories)	342 lb-ft at (rpm) 900

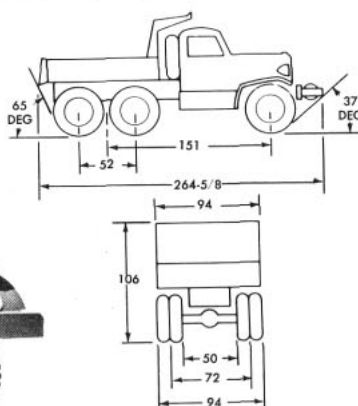
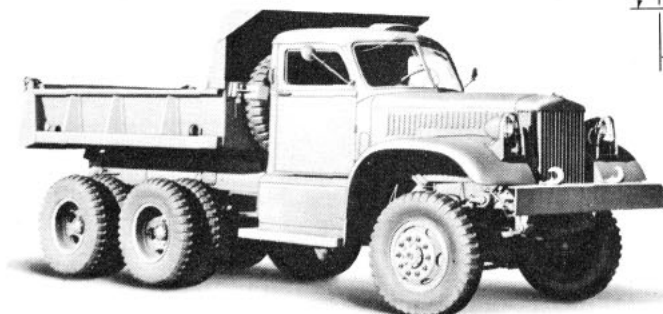
ADDITIONAL DATA

Over-all height with gun mount (empty)	(in.) 127 1/4
Weights and dimensions given for chassis w/winch; for chassis w/o winch they are as follows:	
Weight, net	(lb) 13,950
Axle loads (lb)	front 6,620; rear (each) 3,665
Over-all length	(in.) 250 1/2
Shipping dimensions, uncrated	(cu ft) 1,390; (sq ft) 166
Supplied w/open and closed cabs.	
Live Axles, type	double-reduction, full-floating
Transmission, type	constant-mesh

TRUCK, DUMP, 4-TON, 6 x 6

(Diamond T, Model 972, SWB)

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137844

Technical Manuals: 9-811, 9-1811, 9-1825B, 9-1826C, 9-1827A, 9-1828A, 9-1832A; Supply Catalog: SNL G-509.

Classification: Standard.

GENERAL DATA

Crew.....	2
Weight (lb):	
Net.....	w/o winch 17,200; w/winch 18,050
Payload:	
W/crew:	
W/o winch.....	off highway 9,200; on highway 17,300
W/winch.....	off highway 8,350; on highway 16,450
Gross:	
W/o winch.....	off highway 26,400; on highway 34,500
W/winch.....	off highway 26,400; on highway 34,500
Live-axle gear ratio.....	8.435:1
Axle load (lb):	
Empty:	
W/o winch.....	front 6,620; rear (each) 5,290
W/winch.....	front 7,600; rear (each) 5,225
Loaded:	
W/o winch:	
Off highway.....	front 6,660; rear (each) 9,870
On highway.....	front 7,140; rear (each) 13,680
W/winch:	
Off highway.....	front 7,850; rear (each) 9,275
On highway.....	front 8,100; rear (each) 13,200

Tires:	
Ply 10.....	Size 9.00 x 20; Pressure (psi) 65
Tread, center-to-center, front.....	(in.) 73 3/4

Shipping dimensions:

Uncrated:	
W/winch.....	(cu ft) 1,520; (sq ft) 173
W/o winch.....	(cu ft) 1,465; (sq ft) 166

Vehicle dimensions:

Ground clearance.....	(in.) 11
Loading height, empty.....	(in.) 58 1/2
Pintle height, loaded.....	(in.) 36 3/4
Body inside dimensions (in.):	
Length.....	120; Width 80; Height 17
Struck capacity.....	(cu yd) 3 1/2
Electrical system (12-volt starting).....	(volts) 6
No. of batteries.....	(6-volt) 2
Type of ground.....	positive
Fuel octane rating.....	72

Brakes:

Manufacturer.....	Bendix-Westinghouse; Type; air
Parking brake, type.....	transfer

Purpose: To haul and dump earth, sand, gravel, etc.

GENERAL DATA—Continued

Capacities:	
Fuel.....	(gal) 60
Cooling system.....	(qt) 48
Crankcase, refill.....	(qt) 16
Transfer, w/PTO.....	(qt) 1 1/2
Transmission.....	w/o PTO (qt) 10 1/2; w/PTO (qt) 12
Axles (qt).....	front 7 1/4; rear (each) 3 3/4
Winch.....	Oil capacity (qt) 2; load capacity (lb) 15,000
Transmission:	
Forward speeds.....	5
Gear ratio.....	High 0.768:1; Fourth 1:1; Low 7.08:1
Transfer:	
Speeds.....	2
Gear ratio.....	High 1:1; Low 1.72:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....	(percent) 68
Turning radius (ft).....	Right 32 1/4; Left 34
Fording depth.....	(in.) 24
Fuel consumption, loaded.....	(mpg) 3
Cruising range, loaded.....	(mi) 180
Allowable speed, governed.....	(mph) 40
Maximum recommended towed load:	
Off highway, gross.....	(lb) 11,000
On highway, gross.....	(lb) 25,000

ENGINE

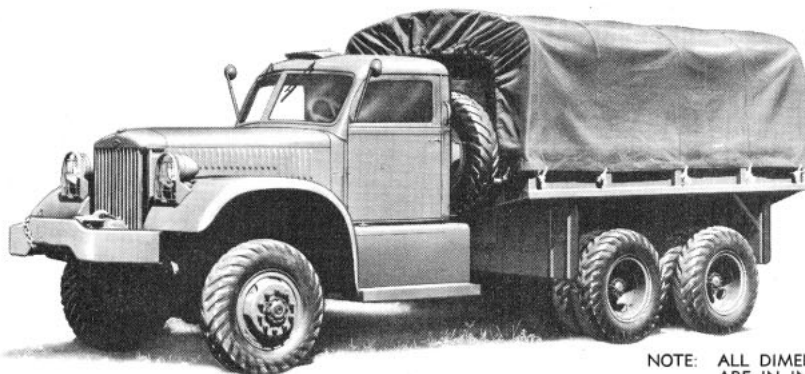
Manufacturer: Hercules.....	Model RXC
Type.....	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement.....	(cu in.) 529
Bore.....	(in.) 4 1/4
Stroke.....	(in.) 5 1/4
Compression ratio.....	5.4:1
Governed speed.....	(rpm) 2,300
Brake horsepower (max w/std accessories).....	106 at (rpm) 2,300
Torque (max w/std accessories).....	342 lb-ft at (rpm) 900

ADDITIONAL DATA

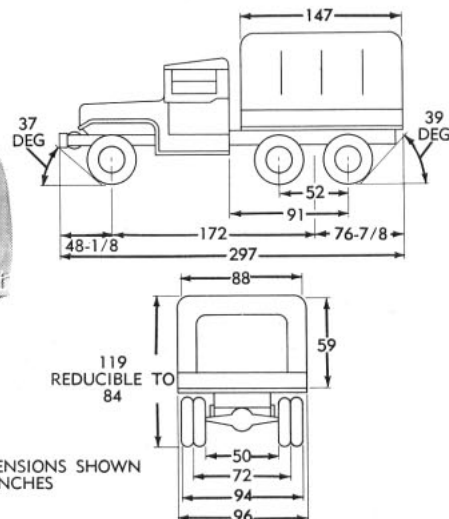
Over-all length w/o winch (in.) 254 1/2.	
Live Axles, type.....	double-reduction, full-floating
Transmission, type.....	constant-mesh

TRUCK, PONTON, 4-TON, 6 x 6, W/WINCH

(Diamond T, Models 970, LWB, 1941 and 970A, LWB, 1942-43)



RA PD 172652



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Technical Manuals: 9-811, 9-1811, 9-1825B, 9-1826C, 9-1827A, 9-1828A, 9-1832A; Supply Catalog: SNL G-509.

Vehicle illustrated: Model 970.
Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb) Net	18,450
Payload w/crew	off highway 8,350; on highway 16,050
Gross	off highway 26,800; on highway 34,500
Live-axle gear ratio	8.435:1
Axle load (lb):	
Empty	front 7,745; rear (each) 5,353
Loaded:	
Off highway	front 7,850; rear (each) 9,475
On highway	front 7,965; rear (each) 13,268
Tires:	
Ply 10	Size 9.00 x 20; Pressure (psi) 65
Tread, center-to-center, front	(in.) 73 3/4
Shipping dimensions, uncrated	(cu ft) 1,970; (sq ft) 199
Vehicle dimensions (in.):	
Ground clearance	11
Pintle height, loaded	36 1/4
Loading height, empty	58 1/2
Body inside dimensions (in.):	
Length	147; Width 88; Height 59
Cargo space	(cu ft) 441
Electrical system (12-volt starting)	(volts) 6
No. of batteries	(6-volt) 2
Type of ground	positive
Fuel octane rating	72
Capacities:	
Fuel	(gal) 60
Cooling system	(qt) 48
Crankcase, refill	(qt) 16
Transmission	(qt) 12
Transfer	(qt) 1 1/2
Axles (qt)	front 7 1/2; rear (each) 3 3/4
Winch:	
Oil capacity	(qt) 134
Load capacity	(lb) 15,000
Brakes:	
Manufacturer	Bendix-Westinghouse; Type; air
Parking brake, type	transmission

Purpose: Used by Corps of Engineers to transport pontons or cargo.

GENERAL DATA—Continued

Transmission:	
Forward speeds	5
Gear ratio	High 0.768:1; Fourth 1:1; Low 7.08:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 1.72:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 67
Turning radius (ft)	Right 37 1/2; Left 39
Fording depth	(in.) 24
Fuel consumption, loaded	(mpg) 3
Cruising range, loaded	(mi) 180
Allowable speed, governed	(mph) 40
Maximum recommended towed load:	
Off highway, gross	(lb) 11,000
On highway, gross	(lb) 25,000

ENGINE

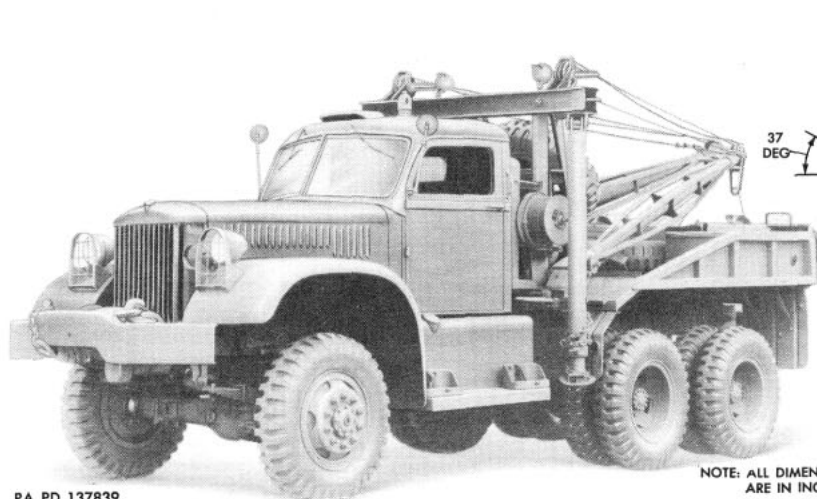
Manufacturer: Hercules	Model RXC
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 529
Bore	(in.) 4 9/8
Stroke	(in.) 5 1/4
Compression ratio	5.4:1
Governed speed	(rpm) 2,300
Brake horsepower (max w/std accessories)	106 at (rpm) 2,300
Torque (max w/std accessories)	342 lb-ft at (rpm) 900

ADDITIONAL DATA

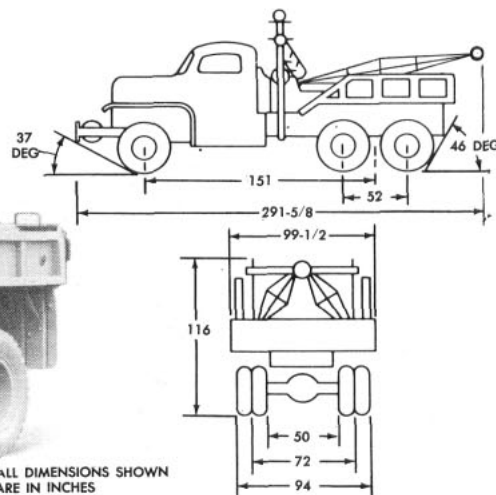
Model 970 supplied w/closed cab; Model 970A w/open and closed cabs.
Live Axles, type double-reduction, full-floating
Transmission, type constant-mesh

TRUCK, WRECKER, 4-TON, 6 x 6, W/WINCH

(Diamond T, Models 969, SWB, 1941; 969A, SWB 1942; and 969B, SWB)



RA PD 137839



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-811, 9-1811, 9-1825B, 9-1826C, 9-1827A, 9-1828A, 9-1832A; Supply Catalog: SNL G-509.

Vehicle illustrated: Model 969A or 969B, SWB.

Classification: Standard.

Purpose: To lift and tow disabled vehicles.

GENERAL DATA

Crew	2
Weight (lb)	Net 21,350; w/crew (350 lb) 21,700
Live-axle gear ratio	8.435:1
Axle load w/equipment and crew (lb):	
Front	8,000; rear (each) 6,850
Tires	Ply 10; Size 9.00 x 20; Pressure (psi) 65
Tread, center-to-center, front	(in.) 73 3/4
Shipping dimensions, uncrated	(cu ft) 1,950; (sq ft) 202
Vehicle dimensions:	
Ground clearance	(in.) 11
Pintle height, loaded	(in.) 36 3/4
Electrical system (12-volt starting)	(volts) 6
No. of batteries	(6-volt) 2
Type of ground	positive
Fuel octane rating	72
Capacities:	
Fuel	(gal) 60
Cooling system	(qt) 48
Crankcase, refill	(qt) 16
Transfer w/power take-off	(qt) 1 1/2
Transmission w/power take-off	(qt) 12
Axles (qt)	front 7 1/2; rear (each) 3 3/4
Winch: Oil capacity	(qt) 2; Load capacity (lb) 15,000
Brakes:	
Manufacturer	Bendix-Westinghouse; Type; air
Parking brake, type	transfer
Transmission:	
Forward speeds	5
Gear ratio	High 0.768:1; Fourth 1:1; Low 7.08:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 1.72:1

PERFORMANCE

Computed grade ability in lowest gear, w/o towed load	(percent) 65
Turning radius (ft)	Right 32 1/2; Left 34
Fording depth	(in.) 24
Fuel consumption, loaded	(mpg) 3
Cruising range, loaded	(mi) 180
Allowable speed, governed	(mph) 40
Maximum recommended towed load:	
Off highway, gross	(lb) 11,000
On highway, gross	(lb) 25,000

ENGINE

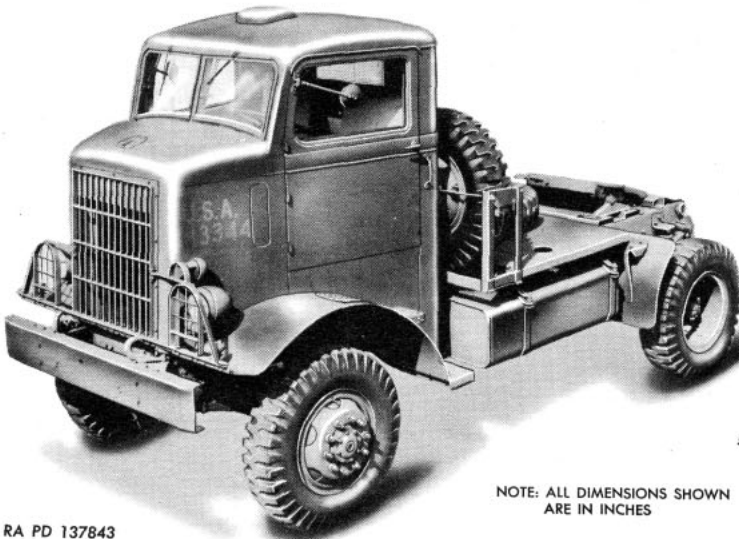
Manufacturer: Hercules	Model RXC
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 529
Bore	(in.) 4 1/2
Stroke	(in.) 5 1/4
Compression ratio	5.4:1
Governed speed	(rpm) 2,300
Brake horsepower (max w/std accessories)	106 at (rpm) 2,300
Torque (max)	342 lb-ft at (rpm) 900

ADDITIONAL DATA

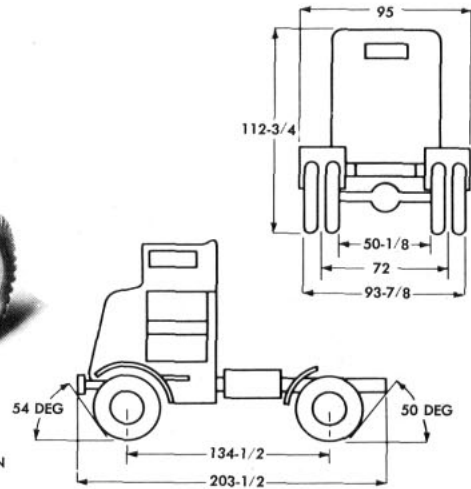
Live-axes, type	double-reduction, full-floating
Transmission, type	constant-mesh
Crane lifting capacity:	
Per boom, while standing	(lb) 10,000
Max boom load when towed	(lb) 6,000
Model 969 supplied with closed cab; models 969A and 969B with open and closed cabs.	

TRUCK, TRACTOR, 4- TO 5-TON, 4 x 4

(Autocar, Model U7144T, COE)



RA PD 137843



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-816, 9-1816, 9-1825B, 9-1826C, 9-1827A, 9-1828A, 9-1832A; Supply Catalog: SNL G-510.

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 12,360; Payload 8,650; Gross 21,010
Live-axle, gear ratio	8.43:1
Axle load (lb):	
Empty	front 7,020; rear 5,340
Loaded	front 7,120; rear 13,890
Tires:	
Ply 10; Size 9.00 x 20; Pressure	(psi) 65
Tread, center-to-center, front	(in.) 73 3/4
Shipping dimensions, uncrated	(cu ft) 1,260; (sq ft) 135
Vehicle dimensions:	
Ground clearance	(in.) 11 3/4
Pintle height, loaded	(in.) 32 1/2
Center of fifth wheel to rear of cab	(in.) 87
Center of fifth wheel to center of rear axle	(in.) 3
Height to center of fifth wheel	(in.) 48
Height to rear of fifth wheel	(in.) 42
Electrical system	(volts) 12
No. of batteries	(6-volt) 2
Type of ground	positive
Fuel octane rating	68
Capacities:	
Fuel	(gal) 60
Cooling system	(qt) 40
Crankcase	dryfill (qt) 14; refill (qt) 12
Transfer	(qt) 2
Transmission	summer (qt) 7; winter (qt) 10
Axles	front (qt) 8; rear (qt) 10
Brakes:	
Manufacturer: Bendix-Westinghouse	Type; air
Parking brake, type	transmission
Transmission:	
Forward speeds	5
Gear ratio	High 0.75:1; Fourth 1:1; Low 5.9:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 1.72:1

Purpose: To tow semitrailers.

PERFORMANCE

Computed grade ability in lowest gear, w/semitrailer	(percent) 48
Turning radius	(ft) 30
Fording depth	(in.) 24 1/2
Fuel consumption (empty)	(mpg) 9
With maximum allowable towed load	(mpg) 3.3
Cruising range (empty)	(mi) 540
With maximum allowable towed load	(mi) 198
Allowable speed, governed	(mph) 41
Maximum recommended semitrailer, gross	(lb) 20,000

ENGINE

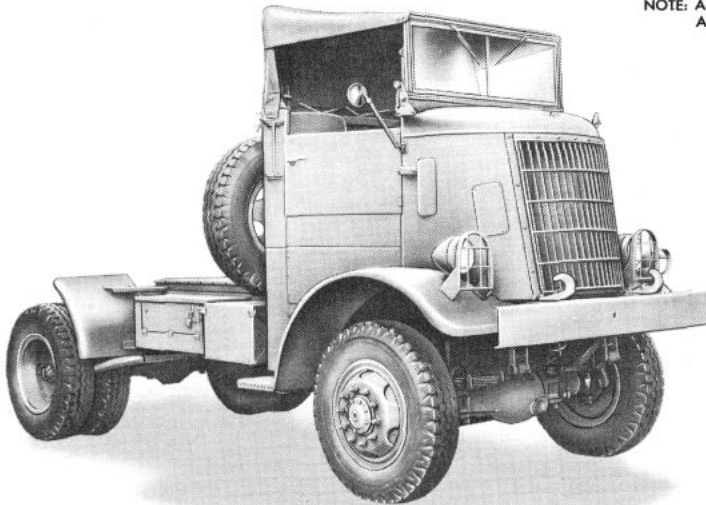
Manufacturer: Hercules	Model RXC
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 529
Bore	(in.) 4 5/8
Stroke	(in.) 5 1/4
Compression ratio	5.4:1
Governed speed	(rpm) 2,300
Brake horsepower (max w/std accessories)	112 at (rpm) 2,200
Torque (max)	368 lb-ft at (rpm) 1,000

ADDITIONAL DATA

Height with closed cab	108 1/2 in.
Live-axles, type	double-reduction, full-floating
Transmission, type	constant-mesh

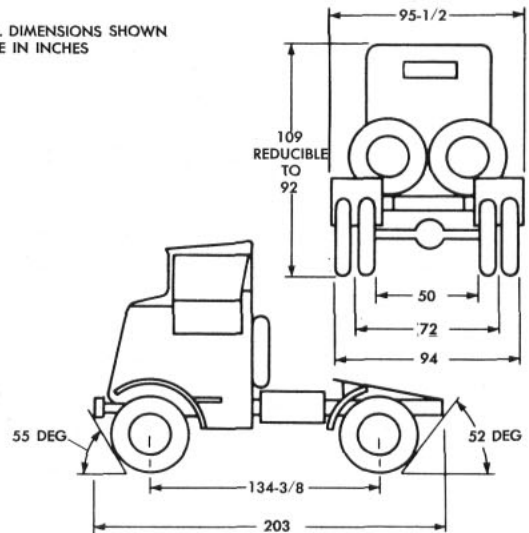
TRUCK, TRACTOR, 4- TO 5-TON, 4 x 4

(Federal, Model 94X43A, 94X43B, 94X43C)



RA PD 172630

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



Technical Manuals: 9-820, 9-1816, 9-1825A, 9-1825B, 9-1826C, 9-1827A, 9-1828A, 9-1829A, 9-1832A; Supply Catalog: SNL G-513.

Vehicle Illustrated: Model 94X43C.
Classification: Standard.

Purpose: To tow semitrailers.

GENERAL DATA

Crew	2
Weight (lb)	Net 11,950; Payload 8,270; Gross 20,220
Live-axle gear ratio	8.43:1
Axle load (lb):	
Empty	front 6,650; rear 5,300
Loaded	front 6,650; rear 13,570
Tires:	
Ply 10	Size 9.00 x 20; Pressure (psi) 65
Tread, center-to-center, front	(in.) 73 3/4
Shipping dimensions, uncrated	(cu ft) 1,035; (sq ft) 135
Vehicle dimensions:	
Ground clearance	(in.) 11 1/2
Pintle height, empty	(in.) 38
Fifth wheel center to center of rear axle	(in.) 3
Height to center of fifth wheel	(in.) 48
Electrical system (12-volt starting)	(volts) 6
No. of batteries	(6-volt) 2
Fuel octane rating	72
Capacities:	
Fuel	(gal) 62
Cooling system	(qt) 40
Crankcase, refill	(qt) 14
Transmission	(qt) 10
Transfer	(qt) 2
Axles (each)	(qt) 6
Brakes:	
Manufacturer; Bendix-Westinghouse	Type; air
Parking brake, type	propeller-shaft
Transmission:	
Forward speeds	5
Gear ratio	High 0.768:1; Fourth 1:1; Low 7.08:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 1.72:1

PERFORMANCE

Computed grade ability w/loaded semitrailer	(percent) 50
Turning radius	(ft) 27
Fording depth	(in.) 26
Fuel consumption w/loaded semitrailer	(mpg) 4 1/2
Cruising range w/loaded semitrailer	(mi) 280
Allowable speed, governed	(mph) 40
Maximum semitrailer, gross	(lb) 30,000

ENGINE

Manufacturer: Hercules	Model RXC
Type	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 529
Bore	(in.) 4 5/8
Stroke	(in.) 5 1/4
Compression ratio	5.4:1
Governed speed	(rpm) 2,300
Brake horsepower (max w/std accessories)	112 at (rpm) 2,200
Torque (max w/std accessories)	368 lb-ft at (rpm) 1,000

ADDITIONAL DATA

These models equipped with either hard or soft cab.
Live axles, type double-reduction, full-floating
Transmission, type selective sliding-gear

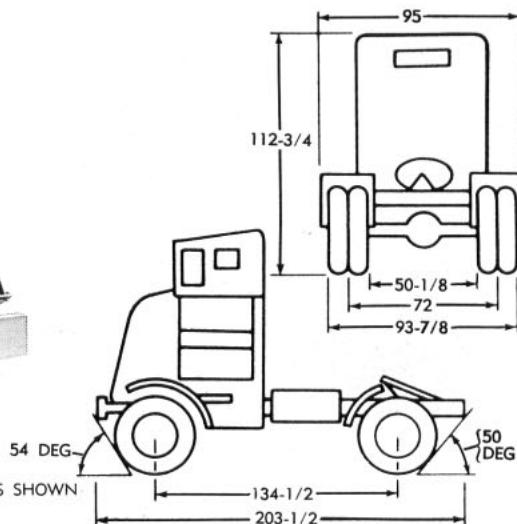
TRUCK, TRACTOR, 4- TO 5-TON, 4 x 4

(White, Model 444T, COE)



RA PD 172699

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



Technical Manuals: 9-816, 9-1816, 9-1825B, 9-1826C, 9-1827A, 9-1828A, 9-1829A, 9-1832A; Supply Catalog: SNL G-691.

Classification: Standard.

Purpose: To tow semitrailers.

GENERAL DATA

Crew	2
Weight (lb)	Net 11,660; Payload 9,350; Gross 21,010
Live-axle gear ratio	8.43:1
Axle load (lb):	
Empty	front 7,020; rear 4,640
Loaded	front 7,120; rear 13,890
Tires:	
Ply 10	Size 9.00 x 20; Pressure (psi) 65
Tread, center-to-center, front	(in.) 73 3/4
Shipping dimensions, uncrated	(cu ft) 1,260; (sq ft) 135
Vehicle dimensions:	
Ground clearance	(in.) 11 1/4
Pintle height, empty	(in.) 38
Center of fifth wheel to center of rear axle	(in.) 3
Height to center of fifth wheel	(in.) 48 1/2
Electrical system	(volts) 12
No. of batteries	(6-volt) 2
Fuel octane rating	72
Capacities:	
Fuel	(gal) 60
Cooling system	(qt) 40
Crankcase, refill	(qt) 12
Transfer	(qt) 2
Transmission	(qt) 7
Axles (qt)	front 8; rear 10
Brakes:	
Manufacturer	Bendix-Westinghouse; Type; air
Parking brake, type	transfer
Transmission:	
Forward speeds	5
Gear ratio	High 0.75:1; Fourth 1:1; Low 5.9:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 1.72:1

PERFORMANCE

Computed grade ability in lowest gear w/semitrailer	(percent) 52
Turning radius	(ft) 30
Fording depth	(in.) 24 1/2
Fuel consumption: w/max allowable towed load	(mpg) 3
Cruising range: w/max allowable towed load	(mi) 198
Maximum allowable speed, governed	(mph) 41
Maximum semitrailer, gross	(lb) 30,000

ENGINE

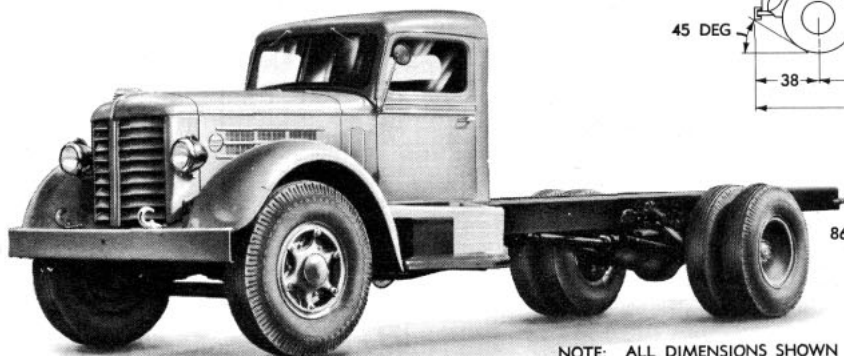
Manufacturer: Hercules	Model RXC
Type	4-cycle, L-head; No. of cylinders (in line) 6
Displacement	(cu in.) 529
Bore	(in.) 4 5/8
Stroke	(in.) 5 1/4
Compression ratio	5.4 : 1
Governed speed	(rpm) 2,300
Brake horsepower (max w/std accessories)	112 at (rpm) 2,200
Torque (max w/std accessories)	368 lb-ft at (rpm) 1,000

ADDITIONAL DATA

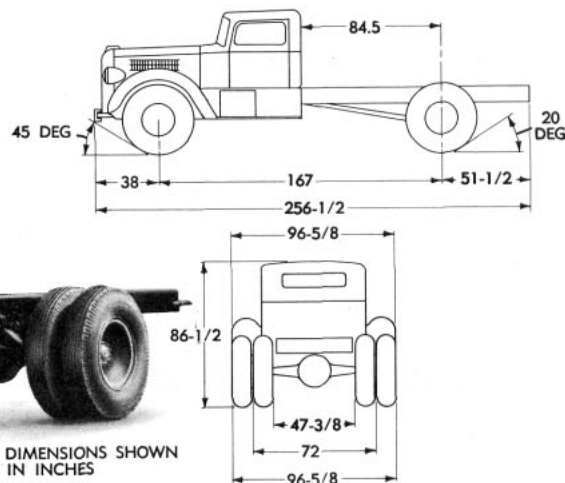
This model equipped with either hard or soft cab.	
Live axles, type	double reduction, full-floating
Transmission, type	constant-mesh

TRUCK, CHASSIS, 5-TON, 4 x 2

(Federal, Model 45M2, 167-in WB and 179-in WB)



RA PD 172764



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Vehicle illustrated: 167-in. WB.
Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb):	
Net:	
167-in. WB.....	9,475
179-in. WB.....	9,785
Maximum gross.....	15,350
Rear-axle gear ratio (two-speed)	High 6.53:1; Low 8.53:1
Axle load (lb):	
Empty:	
167-in. WB.....	front 5,100; rear 4,375
179-in. WB.....	front 4,900; rear 4,885
Tires:	
Ply 12.....	Size 11.00 x 20; Pressure (psi) 70
Tread, center-to-center, front.....	(in.) 70 3/4
Shipping dimensions, uncrated:	
167-in. WB.....	(cu ft) 1,230; (sq ft) 171
179-in. WB.....	(cu ft) 1,380; (sq ft) 192
Ground clearance	(in.) 10
Electrical system	(volts) 6
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating	72
Capacities:	
Fuel.....	(gal) 60
Cooling system.....	(qt) 29
Crankcase, refill.....	(qt) 8
Transmission.....	(qt) 10
Rear axle.....	(qt) 15 1/2
Brakes:	
Manufacturer; Bendix-Westinghouse.....	Type; air
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	5
Gear ratio.....	High 1:1; Fourth 1.48:1; Low 7.88:1

Purpose: To be used as component of general-purpose or special-equipment vehicle.

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius (ft):	
167-in. WB.....	30
179-in. WB.....	36
Fuel consumption, loaded	(mpg) 4 1/2
Cruising range, loaded	(mi) 270
Allowable speed, governed	(mph) 48

ENGINE

Manufacturer: Continental.....	Model T-6427F
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 427
Bore	(in.) 4 5/16
Stroke	(in.) 4 7/8
Compression ratio	6.4:1
Governed speed	(rpm) 2,600
Brake horsepower (max w/std accessories)	158 at (rpm) 2,600
Torque (max w/std accessories)	325 lb-ft at (rpm) 1,400

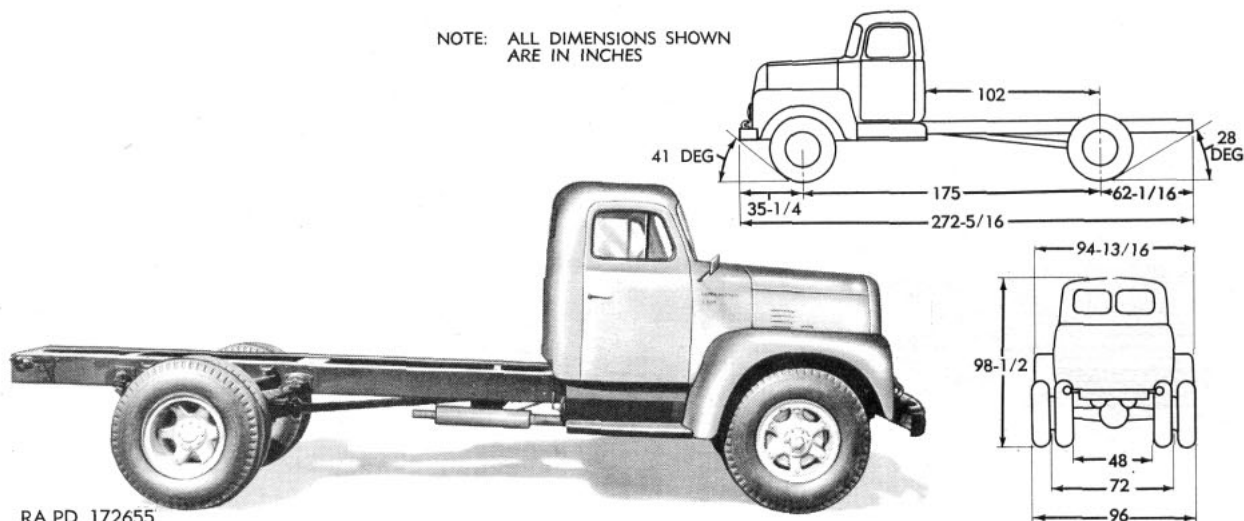
ADDITIONAL DATA

Rear axle, type	2-speed, full-floating
Transmission, type	synchromesh

TRUCK, CHASSIS, 5-TON, 4 x 2

(International Harvester, Model L-201, 175-in and 193-in WB)

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 172655

Vehicle Illustrated: 175-in. WB.
Classification: Standard.

Purpose: To be used as component of general-purpose or special-equipment truck.

GENERAL DATA

Crew	1
Weight (lb)	Net 8,820; Max gross 27,000
Rear-axle gear ratio	High 6.53:1; Low 8.54:1
Axle load (lb):	
Empty	front 4,795; rear 4,070
Tires:	
Ply 12	Size 11.00 x 20; Pressure (psi) 70
Tread, center-to-center, front	(in.) 70 1/4
Shipping dimensions, uncrated	(cu ft) 1,457; (sq ft) 179
Ground clearance	(in.) 10 1/16
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 31
Cooling system	(qt) 28
Crankcase, refill	(qt) 9
Transmission	(qt) 9 1/2
Rear axle	(qt) 8
Brakes:	
Manufacturer	Bendix-Westinghouse; Type; air
Parking brake, type	transmission
Transmission:	
Forward speeds	5
Gear ratio	High 1:1; Fourth 1.41:1; Low 8.03:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 40
Turning radius	(ft) 31
Fording depth	(in.) 29 1/2
Fuel consumption, loaded	(mpg) 3 1/2
Cruising range, loaded	(mi) 108
Allowable speed, governed	(mph) 50

ENGINE

Manufacturer	International Harvester; Model RD-406
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 405.9
Bore	(in.) 4 3/8
Stroke	(in.) 4 1/2
Compression ratio	6.3:1
Governed speed	(rpm) 2,750
Brake horsepower (max w/std accessories)	138 at (rpm) 2,750
Torque (max)	313 lb-ft at (rpm) 1,000

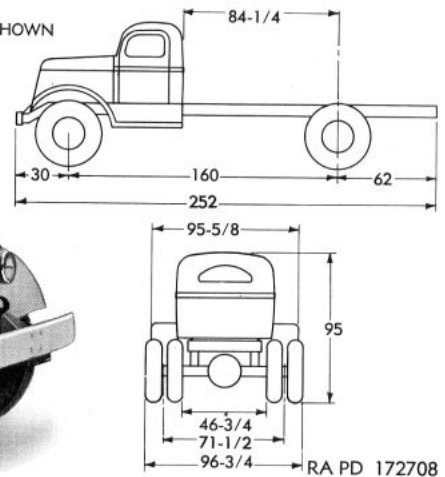
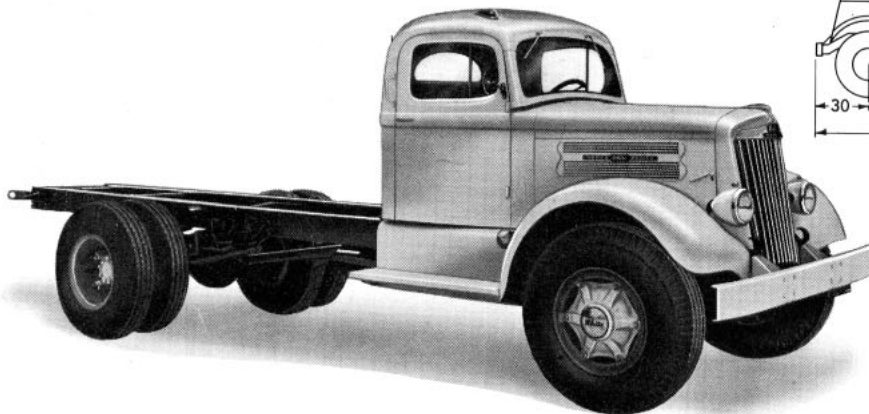
ADDITIONAL DATA

Rear axle, type	two-speed, spiral-bevel, full-floating
Transmission, type	synchromesh
Data given for chassis with 175-in. wheelbase. Changes in data for chassis with 193-in. wheelbase are as follows:	
Net weight (lb)	8,865
Axle load (lb)	Empty; front 4,885; rear 3,935
Shipping dimensions, uncrated	(cu ft) 1,586; (sq ft) 195
Turning radius (ft)	34
Overall length	(in.) 296 1/16
Distance from rear of cab to center of rear axle	(in.) 120
Rear overhang	(in.) 68 1/16
Angle of departure	(deg) 25

TRUCK, CHASSIS, W/CAB, 5-TON, 4 x 2

(White, Model WC22)

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



Classification: Standard.

Purpose: To be used as component of general-purpose or special-equipment vehicle.

GENERAL DATA

Crew	2
Weight (lb): Net	15,360
Rear-axle gear ratio (two-speed)	High 6.5 : 1; Low 8.87 : 1
Axle load (lb):	
Empty	front 4,840; rear 10,520
Tires:	
Ply 12	Size 11.00 x 20; Pressure (psi) 70
Tread, center-to-center, front	(in.) 70 1/4
Shipping dimensions, uncrated	(cu ft) 1,320; (sq ft) 167
Vehicle dimensions:	
Ground clearance	(in.) 17 1/4
Frame height	(in.) 47
Electrical system	(volts) 6
No. of batteries	1
Type of ground	positive
Fuel octane rating	72
Capacities:	
Fuel	(gal) 32
Cooling system	(qt) 30
Crankcase, refill	(qt) 12
Transmission	(qt) 8
Rear axle	(qt) 9
Brakes:	
Manufacturer; Bendix-Westinghouse	Type; air
Parking brake, type	transmission
Transmission:	
Forward speeds	5
Gear ratio	High 1 : 1; Fourth 1.48 : 1; Low 7.88 : 1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 43
Turning radius	(ft) 29
Fording depth	(in.) 30
Fuel consumption, loaded	(mpg) 3
Cruising range, loaded	(mi) 95
Allowable speed, governed	(mph) 55

ENGINE

Manufacturer: White	Model 150A
Type	4-cycle, L-head; No. of cylinders (in line) 6
Displacement	(cu in.) 386
Bore	(in.) 4
Stroke	(in.) 5 1/4
Compression ratio	6.40 : 1
Governed speed	(rpm) 3,000
Brake horsepower (max w/std accessories)	735 at (rpm) 3,000
Torque (max w/std accessories)	315 lb-ft at (rpm) 1,300

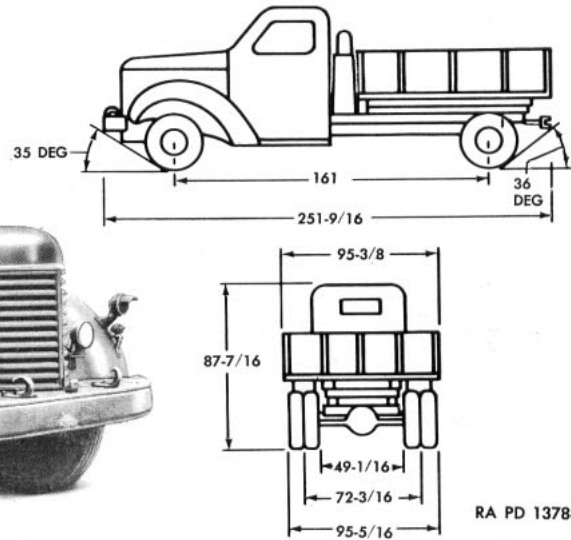
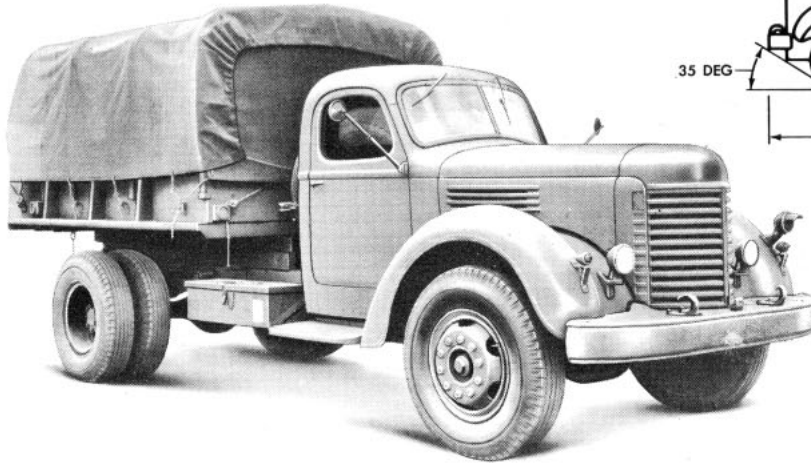
ADDITIONAL DATA

Rear axle, type	two-speed, spiral-bevel, full-floating
Transmission, type	synchromesh

TRUCK, DUMP, 5-TON, 4 x 2

(International Harvester, Model KR11)

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



Technical Manuals: 9-823, 9-1823, 9-1825A, 9-1826C, 9-1827A, 9-1828A; Supply Catalog: SNL G-542.

Classification: Standard.

Purpose: To haul and dump earth, sand, gravel, etc., and to transport general cargo.

GENERAL DATA

Crew	2
Weight (lb)	Net 12,815
Payload	10,000
Gross	22,815
Rear-axle gear ratio	8.05:1
Axle load (lb):	
Empty	front 5,285; rear 7,530
Loaded	front 5,845; rear 16,970
Tires:	
Ply 12	Size 10.00 x 20; Pressure (psi) 70
Tread, center-to-center, front	(in.) 71 3/4
Shipping dimensions, uncrated	(cu ft) 1,215; (sq ft) 167
Vehicle dimensions:	
Ground clearance	(in.) 11 3/4
Pintle height, loaded	(in.) 32 3/4
Loading height, empty	(in.) 48 7/16
Body inside dimensions (in.):	
Length	114; Width 84; Height under bows 59, side panels 31
Cargo space	(cu ft) 172
Electrical systems	(volts) 12
No. of batteries (6-volt)	2
Type of ground	positive
Fuel octane rating	72
Capacities:	
Fuel	(gal) 31
Cooling system	(qt) 27
Crankcase, refill	(qt) 8
Transmission w/power take-off	(qt) 13
Rear axle	(qt) 8 1/4
Brakes:	
Manufacturer	Bendix-Westinghouse; Type; air
Parking brake, type	transmission
Transmission:	
Forward speeds	5
Gear ratio	High 1:1; Fourth 1.38:1; Low 8.08:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 50
Turning radius	(ft) 29
Fording depth	(in.) 32 3/4
Fuel consumption, loaded	(mpg) 5 1/4
Cruising range, loaded	(mi) 162
Allowable speed, governed	(mph) 36
Maximum recommended towed load	(lb) 15,000

ENGINE

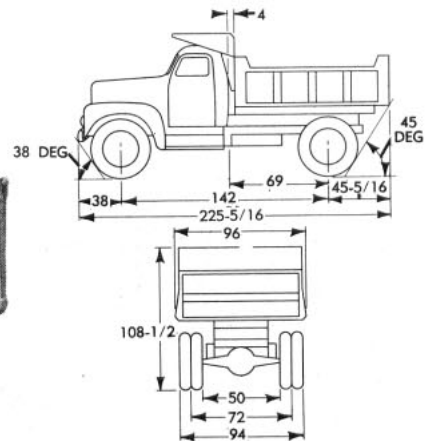
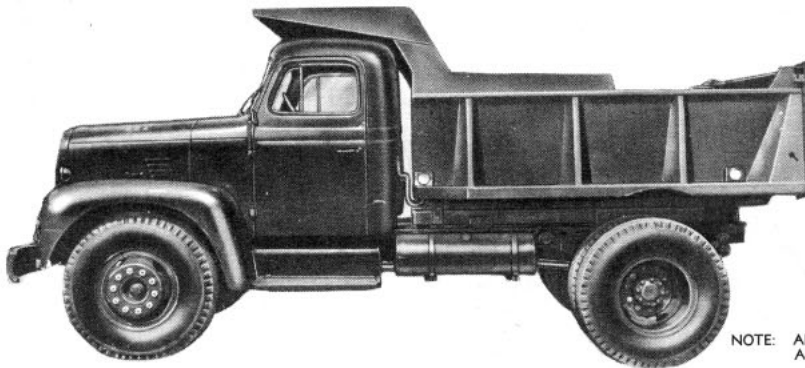
Manufacturer: I.H.C.	Model REO 450-D
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 450.99
Bore	(in.) 4 3/4
Stroke	(in.) 5
Compression ratio	6.3:1
Governed speed	(rpm) 2,600
Brake horsepower (max w/std accessories)	133 at (rpm) 2,600
Torque (max)	300 lb-ft at (rpm) 1,000

ADDITIONAL DATA

Overall height w/top	(in.) 109 7/16
Rear axle, type	double-reduction, full-floating
Transmission, type	constant-mesh

TRUCK, DUMP, 5-TON, 4 x 2

(International Harvester, Model L-201)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172720

Classification: Standard.

Purpose: To transport and dump earth, sand, gravel, coal, etc, and to carry general cargo.

GENERAL DATA

Crew.....	2
Weight (lb).....	Net 12,435
Payload.....	off highway 10,000; on highway 11,500
Gross.....	off highway 22,435; on highway 23,935
Rear-axle gear ratio (2 speed).....	High 6.5:1; Low 8.866:1
Axle load (lb):	
Empty.....	front 4,995; rear 7,440
Loaded:	
Off highway.....	front 5,845; rear 16,590
On highway.....	front 5,935; rear 18,000
Tires:	
Ply 12.....	Size 11.00 x 20; Pressure (psi) 70
Tread, center-to-center, front.....	(in.) 70 1/4
Shipping dimensions, uncrated.....	(cu ft) 1,360; (sq ft) 151
Vehicle dimensions:	
Ground clearance.....	(in.) 10 7/8
Body inside dimensions (in.):	
Length.....	108; Width 84; Height 25 3/4
Struck capacity.....	(cu yds) 5
Electrical system.....	(volts) 6
No. of batteries.....	1
Type of ground.....	positive
Fuel octane rating.....	72
Capacities:	
Fuel.....	(gal) 31
Cooling system.....	(qt) 28
Crankcase, refill.....	(qt) 9
Transmission.....	(qt) 6
Rear axle.....	(qt) 8
Brakes:	
Manufacturer.....	Bendix-Westinghouse; Type; air
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	5
Gear ratio.....	High 1:1; Fourth 1.45:1; Low 7.4:1

PERFORMANCE

Computed grade ability in lowest gear w/off-highway load.....	(percent) 45
Turning radius.....	(ft) 29
Fuel consumption, loaded.....	(mpg) 4 1/2
Cruising range, loaded.....	(mi) 140
Allowable speed, governed.....	(mph) 50

ENGINE

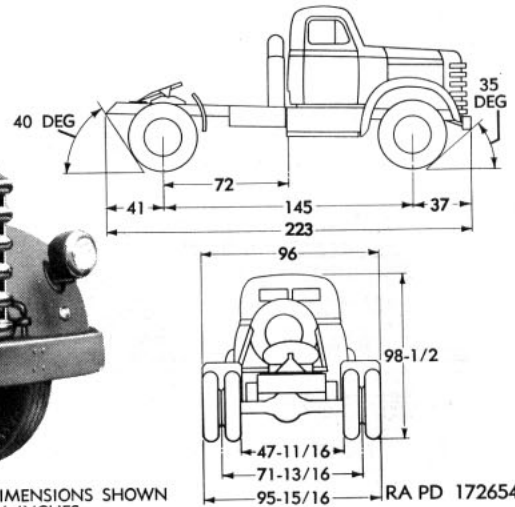
Manufacturer: International.....	Model RD-406
Type.....	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement.....	(cu in.) 406
Bore.....	(in.) 4 3/4
Stroke.....	(in.) 4 1/2
Compression ratio.....	6.3:1
Governed speed.....	(rpm) 2,800
Brake horsepower (max w/std accessories).....	138 at (rpm) 2,750
Torque (max w/std accessories).....	314 lb-ft at (rpm) 1,000

ADDITIONAL DATA

Rear axle, type.....	two-speed, spiral-bevel, full-floating
Transmission, type.....	synchromesh

TRUCK, TRACTOR, 5-TON, 4 x 2

(Diamond T. Model 720)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Purpose: To tow semitrailers.

GENERAL DATA

Crew	2
Weight (lb)	Net 10,260
Payload	14,740
Gross	25,000
Rear-axle gear ratio (two speed)	High 6.5:1; Low 8.86:1
Axle load (lb):	
Empty	front 5,320; rear 4,940
Loaded:	
On highway	front 6,000; rear 19,000
Tires:	
Ply 12	Size 11.00 x 20; Pressure (psi) 80
Tread, center-to-center, front	(in.) 71 ⁵ / ₁₆
Shipping dimensions, uncrated	(cu ft) 1,220; (sq ft) 149
Vehicle dimensions:	
Ground clearance	(in.) 10 ¹ / ₄
Frame height	(in.) 38 ¹ / ₂
Height to center of fifth wheel, empty	(in.) 47 ¹ / ₂
Height to rear of fifth wheel, empty	(in.) 39 ¹ / ₂
Fifth wheel mounted forward of rear axle	(in.) 6
Electrical system	(volts) 6
No. of batteries	1
Type of ground	positive
Fuel octane rating	72
Capacities:	
Fuel	(gal) 86
Cooling system (qt)	w/o heater 36; w/heater 37
Crankcase, refill	(qt) 10
Transmission	(qt) 9
Rear axle	(qt) 10
Brakes:	
Manufacturer	Bendix; Type, air-hydraulic
Parking brake, type	transmission
Transmission:	
Forward speeds	5
Gear ratio	High 1:1; Fourth 1.48:1; Low 7.88:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 26
Turning radius (ft)	Right 47; Left 50
Fording depth	(in.) 23
Fuel consumption, loaded	(mpg) 4 ³ / ₄
Cruising range, loaded	(mi) 390
Allowable speed, governed	(mph) 50
Maximum semitrailer, gross ¹	(lb) 39,750

ENGINE

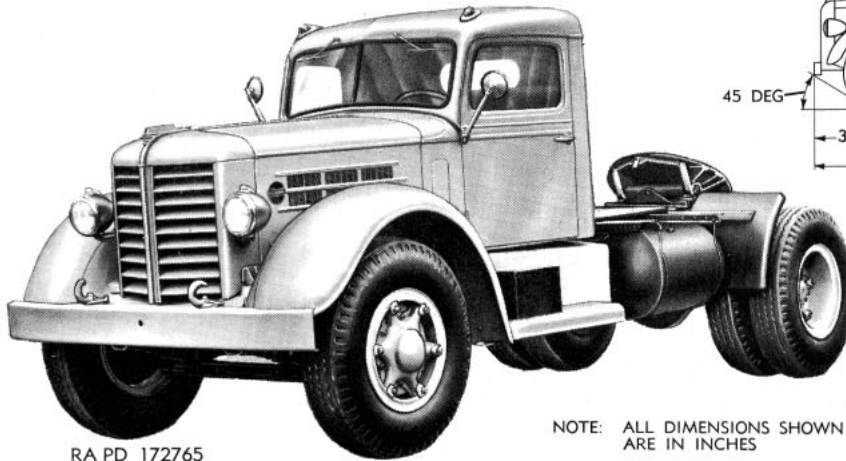
Manufacturer	Continental; Model T6427
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 427
Bore	(in.) 4 ⁵ / ₁₆
Stroke	(in.) 4 ⁷ / ₈
Compression ratio	6.44:1
Governed speed	(rpm) 2,700
Brake horsepower (max w/std accessories)	148 at (rpm) 2,700
Torque (max w/std accessories)	328 lb-ft at (rpm) 1,500

ADDITIONAL DATA

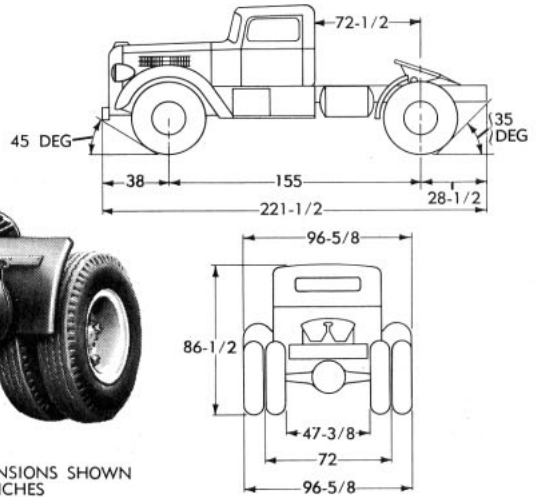
Rear axle, type	2-speed, full-floating
Transmission, type	synchromesh

TRUCK, TRACTOR, 5-TON, 4 x 2

(Federal, Model 45M2)



RA PD 172765



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Classification: Nonclassified.

Purpose: To tow semitrailers.

GENERAL DATA

Crew	2
Weight (lb)	Net 9,800
Payload	14,700
Gross	24,500
Rear-axle gear ratio (two-speed)	High 6.53:1; Low 8.53:1
Axle load (lb):	
Empty	front 5,040; rear 4,760
Loaded	front 6,000; rear 18,500
Tires:	
Ply 12	Size 11.00 x 20; Pressure (psi) 70
Tread, center-to-center, front	(in.) 70 3/4
Shipping dimensions, uncrated	(cu ft) 1,070; (sq ft) 149
Vehicle dimensions:	
Ground clearance	(in.) 10
Frame height	(in.) 45
Height to center of fifth wheel, empty	(in.) 52
Height to rear of fifth wheel, empty	(in.) 46
Fifth wheel mounted forward of rear axle	(in.) 4
Electrical system	(volts) 6
No. of batteries	1
Type of ground	positive
Fuel octane rating	72
Capacities:	
Fuel	(gal) 60
Cooling system	(qt) 29
Crankcase, refill	(qt) 8
Transmission	(qt) 10
Rear axle	(qt) 15 1/2
Brakes:	
Manufacturer	Bendix-Westinghouse; Type, air
Parking brake, type	transmission
Transmission:	
Forward speeds	5
Gear ratio	High 1:1; Fourth 1.48:1; Low 7.88:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 23
Turning radius	(ft) 28
Fuel consumption, loaded	(mpg) 4 1/2
Cruising range, loaded	(mi) 270
Allowable speed, governed	(mph) 48
Maximum semitrailer, gross	(lb) 25,000

ENGINE

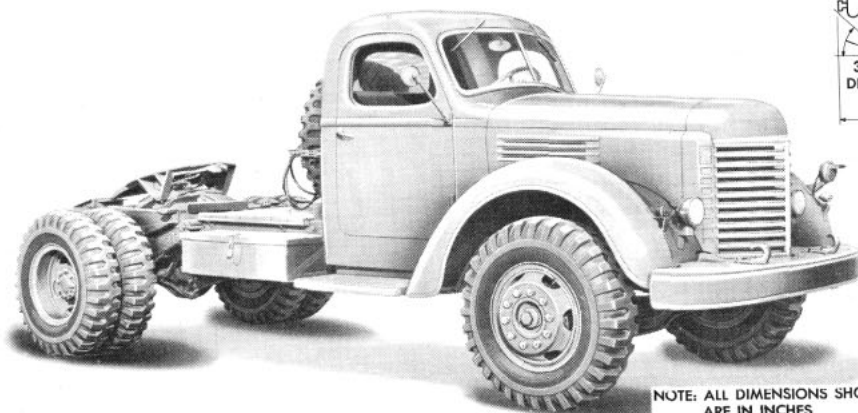
Manufacturer	Continental	Model T-6427F
Type	4-cycle, valve-in-head; No. of cylinders (in line)	6
Displacement	(cu in.)	427
Bore	(in.)	11 5/16
Stroke	(in.)	4 7/8
Compression ratio		6.4:1
Governed speed	(rpm)	2,600
Brake horsepower (max w/std accessories)	158 at (rpm)	2,600
Torque (max w/std accessories)	325 lb-ft at (rpm)	1,400

ADDITIONAL DATA

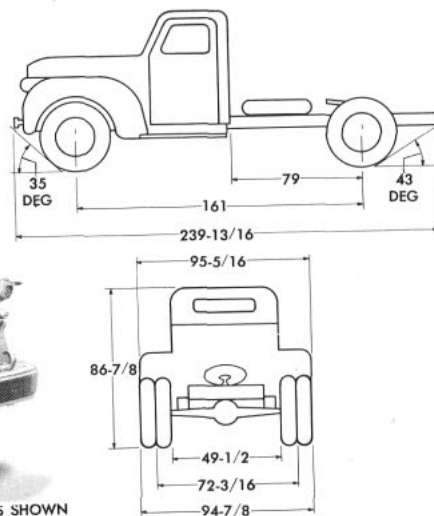
Rear axle, type	two-speed, full-floating
Transmission, type	synchromesh

TRUCK, TRACTOR, 5-TON, 4 x 2

(International Harvester, Model KR11, 1943)



RA PD 137821



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-823, 9-1823, 9-1825A, 9-1826C, 9-1827A, 9-1828A; Supply Catalog: SNL G-542.

Classification: Nonclassified.

Purpose: To tow semitrailers.

GENERAL DATA

Crew	2
Weight (lb)	Net 9,801; Payload 13,000; Gross 22,801
Rear-axle gear ratio	8.05:1
Axle load (lb):	
Empty.....	front 4,798; rear 5,003
Loaded.....	front 5,201; rear 17,600
Tires:	
Ply 12.....	Size 10.00 x 20; Pressure (psi) 70
Tread, center-to-center, front.....	(in.) 72 3/4
Shipping dimensions, uncrated	(cu ft) 1,149; (sq ft) 159
Vehicle dimensions:	
Ground clearance.....	(in.) 10 3/4
Pintle height, empty.....	(in.) 34 3/4
Center of fifth wheel to center of rear axle.....	(in.) 5
Height to center of fifth wheel, empty.....	(in.) 48 3/4
Height to rear of fifth wheel.....	(in.) 42
Electrical system	(volts) 6
N of batteries.....	2
Type of ground.....	positive
Fuel octane rating	70
Capacities:	
Fuel.....	(gal) 40
Cooling system.....	(qt) 26 1/2
Crankcase, refill.....	(qt) 8
Transmission.....	(qt) 13
Rear axle.....	(qt) 8 1/4
Brakes:	
Manufacturer.....	Bendix-Westinghouse; Type; air
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	5
Gear ratio.....	High 0.776:1; Fourth 1:1; Low 7.07:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 25
Turning radius	(ft) 29
Fording depth	(in.) 32 1/2
Fuel consumption:	
W/max towed load.....	(mpg) 3.5
W/o towed load.....	(mpg) 4.5
Cruising range:	
W/max towed load.....	(mi) 140
W/o towed load.....	(mi) 180
Allowable speed, governed	(mph) 50
Maximum semitrailer, gross	(lb) 30,000

ENGINE

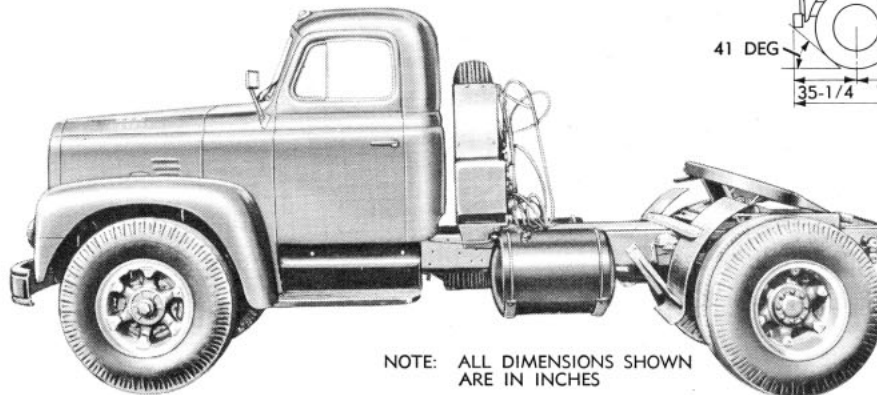
Manufacturer	International Harvester; Model RED-450
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 450.99
Bore	(in.) 4 3/4
Stroke	(in.) 5
Compression ratio	6.3:1
Governed speed	(rpm) 2,700
Brake horsepower (max w/std accessories)	130 at (rpm) 2,600
Torque (max)	354 lb-ft at (rpm) 900

ADDITIONAL DATA

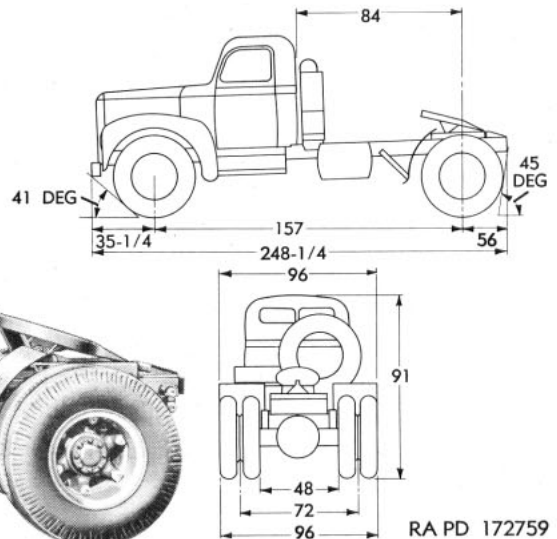
Rear Axle, type	double-reduction, full-floating
Transmission, type	constant-mesh

TRUCK, TRACTOR, 5-TON, 4 x 2

(International Harvester Model L-201)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 172759

Classification: Nonclassified.

Purpose: To tow semitrailers.

GENERAL DATA

Crew	2
Weight (lb)	Net 10,220; Payload 13,500; Gross 23,720
Rear-axle gear ratio (2-speed)	High 6.5:1; Low 8.866:1
Axle load (lb):	
Empty	front 5,180; rear 5,040
Loaded	front 5,720; rear 18,000
Tires:	
Ply 12	Size 11.00 x 20; Pressure (psi) 70
Tread, center-to-center, front	(in.) 70 3/4
Shipping dimensions, uncrated	(cu ft) 1,250; (sq ft) 165
Vehicle dimensions:	
Ground clearance	(in.) 10 1/4
Frame height	(in.) 38 3/4
Height to center of fifth wheel	(in.) 52
Height to rear of fifth wheel, empty	(in.) 45
Fifth wheel mounted forward of rear axle	(in.) 6
Electrical system	(volts) 6
No. of batteries	1
Type of ground	positive
Fuel octane rating	72
Capacities:	
Fuel	(gal) 68
Cooling system	(qt) 28
Crankcase, refill	(qt) 9
Transmission	(qt) 9 1/4
Rear axle	(qt) 11
Brakes:	
Manufacturer: Bendix-Westinghouse	Type, air
Parking brake, type	transmission
Transmission:	
Forward speeds	5
Gear ratio	High 1:1; Fourth 1.41:1; Low 8.03:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 28
Turning radius	(ft) 28 1/2
Fording depth	(in.) 29 1/2
Fuel consumption, loaded	(mpg) 3.4
Cruising range, loaded	(mi) 232
Allowable speed, governed	(mph) 50
Maximum semitrailer, gross	(lb) 25,000

ENGINE

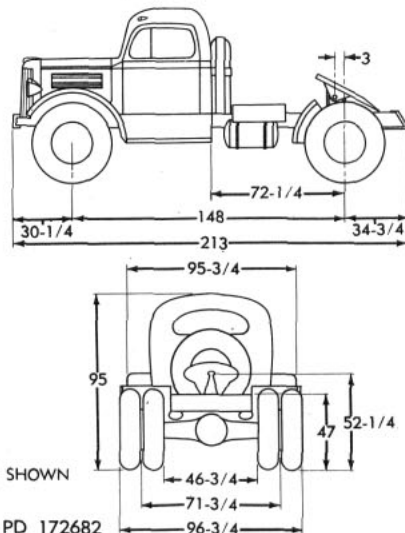
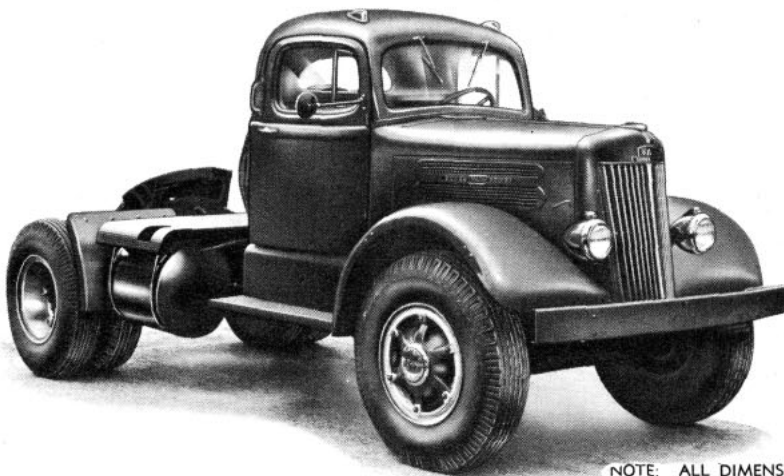
Manufacturer	IHC; Model RD-406
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 406
Bore	(in.) 4 3/4
Stroke	(in.) 4 1/4
Compression ratio	6.3:1
Governed speed	(rpm) 2,750
Brake horsepower (max w/std accessories)	138 at (rpm) 2,750
Torque (max w/std accessories)	314 lb-ft at (rpm) 1,000

ADDITIONAL DATA

Rear axle, type	two-speed, full-floating
Transmission, type	constant-mesh

TRUCK, TRACTOR, 5-TON, 4 x 2

(White, Model WC 22 PLT)



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

RA PD 172682

Classification: Nonclassified.

Purpose: To tow semitrailers.

GENERAL DATA

Crew	2
Weight (lb)	Net 9,840; Payload 14,530; Gross 24,370
Rear-axle gear ratio (two-speed)	High 6.5:1; Low 8.87:1
Axle load (lb):	
Empty	front 4,570; rear 5,270
Loaded	on highway 6,370; rear 18,000
Tires:	
Ply 12	Size 11.00 x 20; Pressure (psi) 70
Tread, center-to-center, front	(in.) 70 1/4
Shipping dimensions, uncrated	(cu ft) 1,120; (sq ft) 142
Vehicle dimensions:	
Ground clearance	(in.) 17 1/4
Frame height	(in.) 47
Electrical system	(volts) 6
No. of batteries	1
Type of ground	positive
Fuel octane rating	72
Capacities:	
Fuel	(gal) 68
Cooling system	(qt) 30
Crankcase, refill	(qt) 12
Transmission	(qt) 8
Rear axle	(qt) 11 1/2
Brakes:	
Manufacturer	Bendix-Westinghouse; Type; air
Parking brake, type	transmission
Transmission:	
Forward speeds	5
Gear ratio	High 1:1; Fourth 1.48:1; Low 7.88:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 43
Turning radius	(ft) 28
Fording depth	(in.) 30
Fuel consumption, loaded	(mpg) 3
Cruising range, loaded	(mi) 200
Allowable speed, governed	(mph) 55
Maximum semitrailer, gross	(lb) 30,000

ENGINE

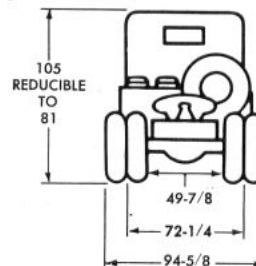
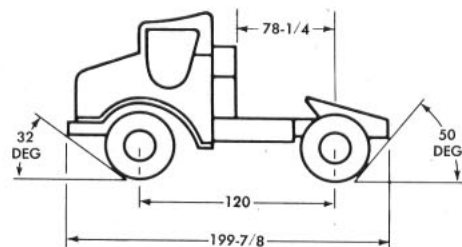
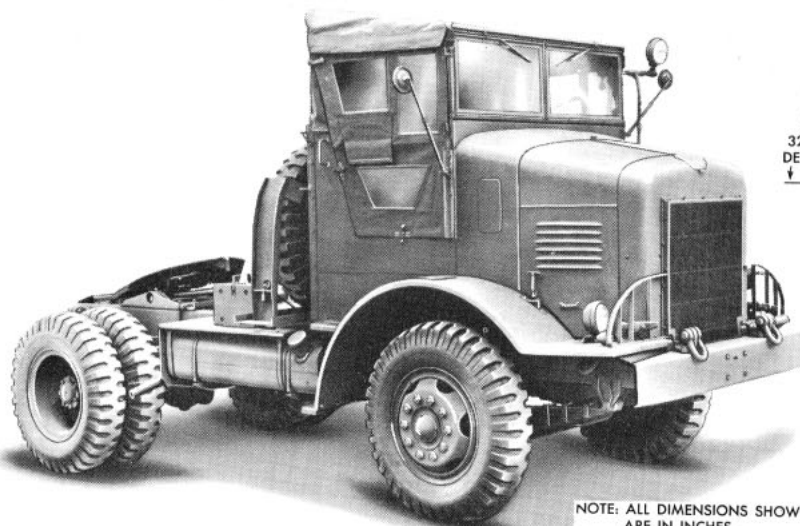
Manufacturer: White	Model 150A
Type	4-cycle, L-head; No. of cylinders (in line) 6
Displacement	(cu in.) 386
Bore	(in.) 4
Stroke	(in.) 5 1/2
Compression ratio	6.45:1
Governed speed	(rpm) 3,000
Brake horsepower (max w/std accessories)	135 at (rpm) 3,000
Torque (max w/std accessories)	315 lb-ft at (rpm) 1,300

ADDITIONAL DATA

Rear-axle, type	two-speed, spiral-bevel, full-floating
Transmission, type	selective sliding-gear

TRUCK, TRACTOR, 5-TON, 4 x 2, M425

(International Harvester, Model H542-9, COE)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137854

Technical Manuals: 9-812, 9-1812, 9-1825A, 9-1826C, 9-1827A, 9-1828A; Supply Catalog: SNL G-671.

Classification: Limited Standard.

Purpose: To tow semitrailers.

GENERAL DATA

Crew	2
Weight (lb)	Net 11,400; Payload 13,000; Gross 24,400
Rear-axle gear ratio	8.14:1
Axle load (lb):	
Empty	front 6,617; rear 4,783
Loaded	front 7,717; rear 16,683
Tires:	
Ply 10	Size 9.00 x 20; Pressure (psi) 65
Tread, center-to-center, front	(in.) 69 3/4
Shipping dimensions, uncrated	(cu ft) 1,122; (sq ft) 132
Vehicle dimensions:	
Ground clearance	(in.) 9
Pintle height (in.)	Loaded 30 3/4; Empty 33 3/4
Center of fifth wheel to center of rear axle	(in.) 3
Height to center of fifth wheel, empty	(in.) 53 1/2
Height to rear of fifth wheel	(in.) 47 1/2
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 80
Cooling system	(qt) 36
Crankcase, refill	(qt) 15
Transmission	(qt) 12 3/4
Rear axle	(qt) 10
Brakes:	
Manufacturer; Bendix-Westinghouse	Type; air
Parking brake, type	transmission
Transmission:	
Forward speeds	5
Gear ratio	High 1:1; Fourth 1.5:1; Low 8.08:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 41
Turning radius	(ft) 23 1/2
Fording depth	(in.) 32 3/4
Fuel consumption, empty	(mpg) 4
W/max towed load	(mpg) 3 1/2
Cruising range, empty	(mi) 320
W/max towed load	(mi) 280
Allowable speed, governed	(mph) 35
Maximum semitrailer, gross	(lb) 30,000

ENGINE

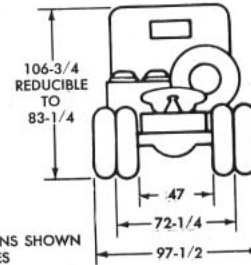
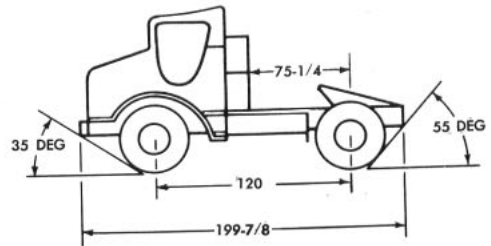
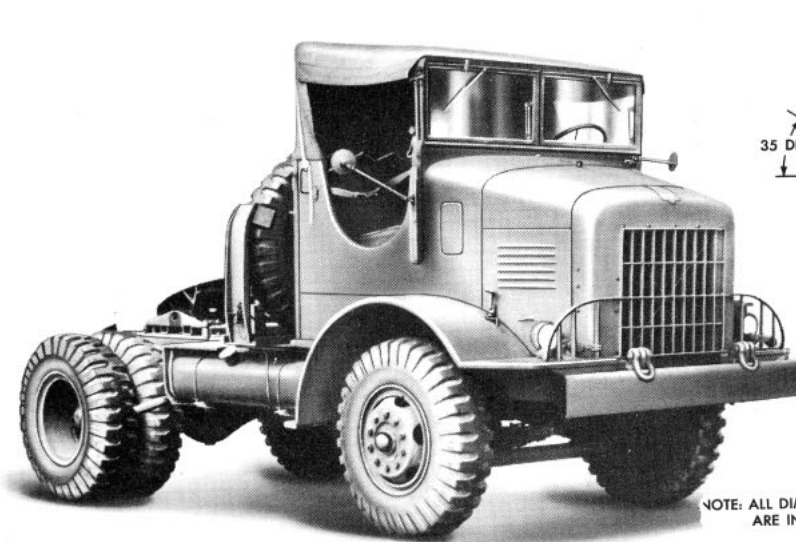
Manufacturer	IHC; Model REO 450-D
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 450.99
Bore	(in.) 4 3/4
Stroke	(in.) 5
Compression ratio	6.3:1
Governed speed	(rpm) 2,600
Brake horsepower (max w/std accessories)	124.5 at (rpm) 2,600
Torque (max)	348 lb-ft at (rpm) 800

ADDITIONAL DATA

All vehicles equipped with truck mount M36 for antiaircraft machine gun.	
Rear axle, type	double-reduction, full-floating
Transmission, type	constant-mesh

TRUCK, TRACTOR, 5-TON, 4 x 2, M426

(International Harvester, Marmon Herrington, Kenworth, Model H542-11, COE)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137852

Technical Manuals: 9-812, 9-1812, 9-1825A, 9-1826C, 9-1827A, 9-1828A; Supply Catalog: SNL G-671.

Vehicle illustrated: International Harvester.
Classification: Standard.

Purpose: To tow semitrailers.

GENERAL DATA

Crew	2
Weight (lb)	Payload 13,000; Gross 25,100; Net 12,100
Payload	off highway 13,000; on highway 15,400
Gross	off highway 25,100; on highway 27,500
Rear-axle gear ratio	8.14:1
Axle load (lb)	front 6,800; rear 5,300
Loaded:	
Off highway	front 7,900; rear 17,200
On highway	front 8,100; rear 19,400
Tires:	
Ply 14	Size 11.00 x 20; Pressure (psi) 70
Tread, center-to-center, front	(in.) 69 3/4
Shipping dimensions, uncrated	(cu ft) 1,182; (sq ft) 136
Vehicle dimensions:	
Ground clearance	(in.) 10 3/8
Pintle height (in.)	Loaded 34; Empty 37
Center of fifth wheel to center of rear axle	(in.) 6
Height to center of fifth wheel, empty	(in.) 53 1/2
Height to rear of fifth wheel, empty	(in.) 47 1/2
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 80
Cooling system	(qt) 36
Crankcase refill	(qt) 15
Transmission	(qt) 12 3/4
Rear axle	(qt) 10
Brakes:	
Manufacturer	Bendix-Westinghouse; Type; air
Parking brake, type	transmission
Transmission:	
Forward speeds	5
Gear ratio	High 1:1; Fourth 1.5:1; Low 8.08:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 25
Turning radius (ft)	Right 25 1/4; Left 25 1/4
Fording depth	(in.) 35 1/4
Fuel consumption:	
Empty	(mpg) 4
W/towed load	(mpg) 3
Cruising range:	
Empty	(mi) 320
W/towed load	(mi) 240
Allowable speed, governed	(mph) 38
Maximum semitrailer, gross	(lb) 30,000

ENGINE

Manufacturer	International Harvester; Model Red-450-D
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 450.99
Bore	(in.) 4 3/4
Stroke	(in.) 5
Compression ratio	6.3:1
Governed speed	(rpm) 2,600
Brake horsepower (max w/std accessories)	124.5 at (rpm) 2,600
Torque (max)	348 lb-ft at (rpm) 800

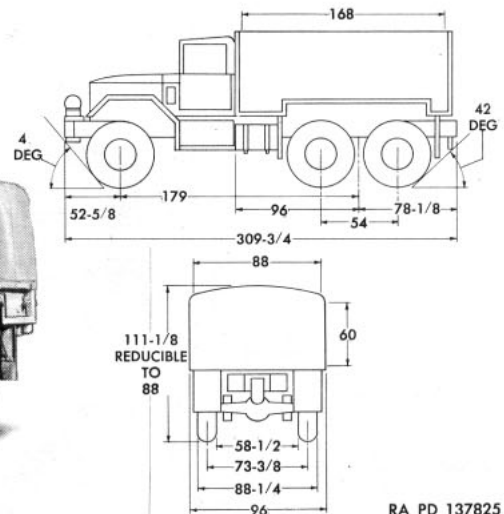
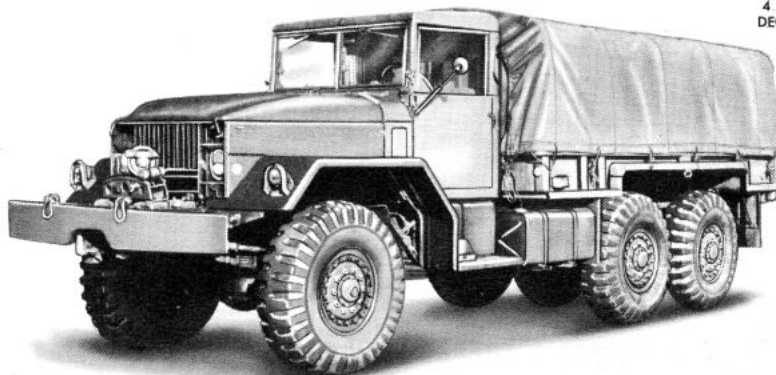
ADDITIONAL DATA

All vehicles equipped with truck mount M36 for antiaircraft machine gun.

Rear axle, type double-reduction, full-floating
Transmission, type constant-mesh

TRUCK, CARGO, 5-TON, 6 x 6, M41

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137825

Technical Manuals: 9-837, 9-1837A, 9-1837B; Supply Catalog: SNL G-744.

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb):	
Net.....	w/o winch 19,119; w/winch 19,835
Payload w/crew.....	off highway 10,350; on highway 15,350
Gross:	
W/o winch.....	off highway 29,469; on highway 34,469
W/winch.....	off highway 30,185; on highway 35,185
Live-axle gear ratio	6.443:1
Axle load (lb):	
Empty:	
W/o winch.....	front 8,331; rear (each) 5,394
W/winch.....	front 9,185; rear (each) 5,325
Loaded:	
W/o winch:	
Off highway.....	front 8,811; rear (each) 10,329
On highway.....	front 8,941; rear (each) 12,764
W/winch:	
Off highway.....	front 9,663; rear (each) 10,261
On highway.....	front 9,793; rear (each) 12,696
Tires:	
Ply 12.....	Size 14 x 20; Pressure (psi) 45
Tread, center-to-center, front.....	(in.) 76 3/4
Shipping dimensions:	
Unerated:	
W/winch.....	(cu ft) 1,912; (sq ft) 206
W/o winch.....	(cu ft) 1,817; (sq ft) 196
Vehicle dimensions:	
Ground clearance.....	(in.) 13
Pintle height, empty.....	(in.) 32 3/4
Loading height, empty.....	(in.) 48 3/4
Electrical system	(volts) 24
No. of batteries.....	(12-volt) 2
Type of ground.....	negative
Brakes:	
Manufacturer.....	Timken; Type, air-actuated hydraulic
Parking brake, type.....	transfer
Transmission:	
Forward speeds.....	5
Gear ratio.....	High 1:1; Fourth 1.43:1; Low 7.31:1
Transfer:	
Speeds.....	2
Gear ratio.....	High 1:1; Low 2.024:1

Purpose: To transport general cargo and tow 155-mm howitzer.

GENERAL DATA—Continued

Fuel octane rating	80
Capacities:	
Fuel.....	(gal) 70
Cooling system.....	(qt) 44
Crankcase, refill.....	(qt) 18
Transmission.....	w/o PTO (qt) 13; w/PTO (qt) 14
Transfer.....	(qt) 5
Axles (each).....	(qt) 12
Winch:	
Oil capacity.....	(qt) 1
Load capacity.....	(lb) 20,000

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 41
Fording depth	(in.) 78
Fuel consumption, loaded	(mpg) 4
Cruising range, loaded	(mi) 280
Allowable speed, governed	(mph) 59
Maximum recommended towed load:	
Off highway, gross (lb).....	15,000
On highway, gross (lb).....	30,000

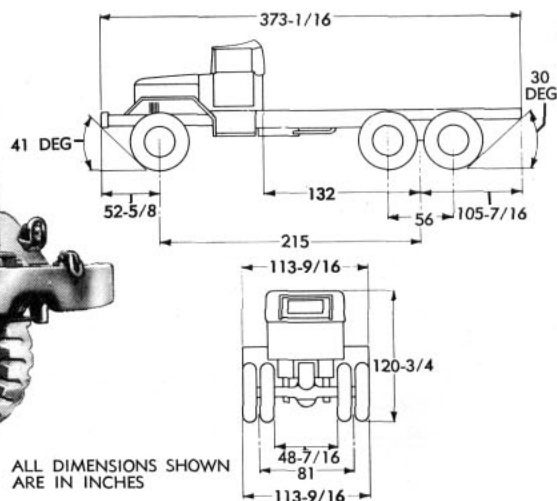
ENGINE

Manufacturer	Continental; Model R-660 ²
Type	Valve-in-head, 4-cycle, No. of cylinders (in line) 6
Displacement	(cu in.) 602
Bore	(in.) 4 7/8
Stroke	(in.) 5 3/4
Compression ratio	6.4:1
Governed speed	(rpm) 2,800
Brake horsepower (max w/std accessories)	196 at (rpm) 2,800
Torque (max w/std accessories)	480 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Dimensions w/o winch: over-all length (in.) 294 1/4; chassis overhang, front (in.) 37 1/4; angle of approach (deg) 57.
Live-axes, type.....double-reduction, full-floating
Transmission, type.....synchromesh
 Equipped with hydraulic power steering gear.

TRUCK, CHASSIS, 5-TON, 6 x 6, M139



RA PD 172756

Technical Manual: 9-837.

Purpose: To be used as component of general-purpose or special-equipment vehicle.

GENERAL DATA

Crew	2
Weight (lb)	Net 19,590
Maximum gross	(lb) 42,000
Axle gear ratio	6.443:1
Axle load (lb):	
Empty	front 9,070; rear (each) 10,520
Tires:	
Ply	Size 14.00 x 20; Pressure (psi) 45
Tread, center-to-center, front	(in.) 76 3/4
Shipping dimensions, uncrated	(cu ft) 2,950; (sq ft) 293
Vehicle dimensions:	
Ground clearance	(in.) 13
Pintle height, empty	(in.) 33
Frame height	(in.) 45 3/4
Electrical system	(volts) 24
No. of batteries	2
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 70
Cooling system	(qt) 44
Crankcase, refill	(qt) 22
Transmission w/P.T.O.	(qt) 11
Transfer	(qt) 5
Axles, each	(qt) 12
Winch:	
Oil capacity	(qt) 1 1/4
Load capacity	(lb) 20,000
Brakes:	
Service:	
Manufacturer	Timken-Bendix-Westinghouse
Type	air-hydraulic
Parking brake, type	transfer
Transmission:	
Forward speeds	5
Gear ratio	High 1:1; Fourth 1.43:1; Low 7.31:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 2.024:1

PERFORMANCE

Computed grade ability in lowest gear w/off-highway load	(percent) 43
Turning radius	(ft) 47
Fording depth	(in.) 78
Fuel consumption, loaded	(mpg) 3.2
Cruising range, loaded	(mi) 224
Allowable speed, governed	(mph) 59
Maximum pintle tow:	
Off highway	gross (lb) 15,000
On highway	gross (lb) 30,000

ENGINE

Manufacturer	Continental	Model R6602
Type	4-cycle, valve-in-head;	No. of cylinders (in line) 6
Displacement	(cu in.) 602	
Bore	(in.) 4 3/4	
Stroke	(in.) 5 3/4	
Compression ratio	6.4:1	
Governed speed	(rpm) 2,800	
Brake horsepower (max w/std accessories)	196 at (rpm) 2,800	
Torque (max w/std accessories)	480 lb-ft at (rpm) 1,200	

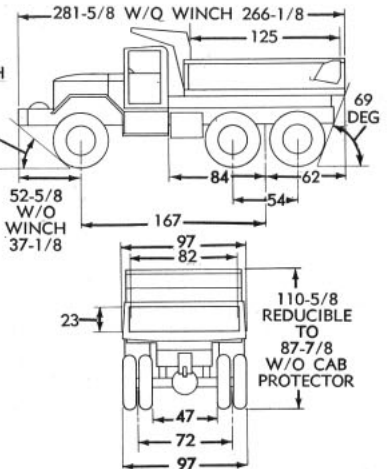
ADDITIONAL DATA

Axles, type	double-reduction, full-floating
Transmission, type	synchromesh
Equipped with hydraulic power steering gear.	

TRUCK, DUMP, 5-TON, 6 x 6, M51



37 DEG W/O WINCH
52-1/2 DEG



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 172669

Technical Manuals: 9-837, 9-1837A, 9-1837B; Supply Catalog: SNL G-744.

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb): Net.....	w/o winch 21,981; w/winch 22,664
Payload, w/crew.....	off highway 10,350; on highway 20,350
Gross:	
W/o winch.....	off highway 32,331; on highway 42,331
W/winch.....	off highway 33,014; on highway 43,014
Live-axle gear ratio	6.443:1
Axle load (lb):	
Empty:	
W/o winch.....	front 8,459; rear (each) 6,761
W/winch.....	front 9,304; rear (each) 6,680
Loaded:	
W/o winch:	
Off highway.....	front 8,867; rear (each) 11,732
On highway.....	front 9,067; rear (each) 16,632
W/winch:	
Off highway.....	front 9,712; rear (each) 11,651
On highway.....	front 9,912; rear (each) 16,551
Tires:	
Ply 12.....	Size 11.00 x 20; Pressure (psi) 50
Tread, center-to-center, front.....	(in.) 73 3/4
Shipping dimensions:	
Uncrated:	
W/winch.....	(cu ft) 1,753; (sq ft) 190
W/o winch.....	(cu ft) 1,657; (sq ft) 179
Vehicle dimensions:	
Ground clearance.....	(in.) 10 1/2
Pintle height, empty.....	(in.) 30 3/4
Loading height, empty.....	(in.) 58
Struck capacity.....	(cu yd) 5
Electrical system	(volts) 24
No. of batteries.....	(12-volt) 2
Type of ground.....	negative
Brakes:	
Manufacturer.....	Timken; Type, air-actuated hydraulic
Parking brake, type.....	transfer
Transmission:	
Forward speeds.....	5
Gear ratio.....	High 1:1; Fourth 1.43:1; Low 7.31:1
Transfer:	
Speeds.....	2
Gear ratio.....	High 1:1; Low 2.024:1

Purpose: To haul and dump earth, sand, gravel, etc.

GENERAL DATA—Continued

Fuel octane rating	80
Capacities:	
Fuel.....	(gal) 110
Cooling system.....	(qt) 44
Crankcase, refill.....	(qt) 18
Transmission, w/PTO.....	(qt) 13
Transfer.....	(qt) 5
Axles.....	(qt) 12
Winch:	
Oil capacity.....	(qt) 1
Load capacity.....	(lb) 20,000

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 39 1/2
Fording depth	(in.) 78
Fuel consumption, loaded	(mpg) 4
Cruising range, loaded	(mi) 440
Allowable speed, governed	(mph) 52
Maximum recommended towed load:	
Off highway.....	gross (lb): 15,000
On highway.....	gross (lb): 30,000

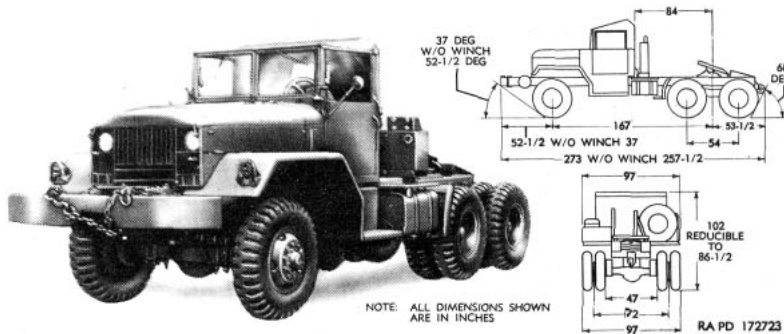
ENGINE

Manufacturer	Continental Motors; Model; R-6602
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 602
Bore	(in.) 4 7/8
Stroke	(in.) 5 3/4
Compression ratio	6.4:1
Governed speed	(rpm) 2,800
Brake horsepower (max w/std accessories)	196 at (rpm) 2,800
Torque (max w/std accessories)	480 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Dimensions w/o winch: over-all length (in.) 266 1/4; chassis overhang, front (in.) 37 1/4; angle of approach (deg) 52.
Live-axes, type.....double-reduction, full-floating
Transmission, type.....synchromesh
 Equipped with hydraulic power steering gear.

TRUCK, TRACTOR, 5-TON, 6 x 6, M52, W/ AND W/O WINCH



Technical Manual: 9-837; Supply Catalog: SNL G-744.

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb):	
Net:	
W/winch	18,313
W/o winch	18,996
Payload	off highway 15,000; on highway 25,000
Gross:	
Off highway:	
W/winch	33,996
W/o winch	33,313
On highway:	
W/winch	43,996
W/o winch	43,313
Rear-axle gear ratio	6.443:1
Axle load (lb):	
Empty:	
Front:	
W/winch	9,008
W/o winch	8,163
Rear:	
W/winch	(each) 4,994
W/o winch	(each) 5,075
Loaded:	
Off highway:	
Front:	
W/winch	9,618
W/o winch	8,773
Rear:	
W/winch	(each) 12,189
W/o winch	(each) 12,270
On highway:	
Front:	
W/winch	9,868
W/o winch	9,023
Rear:	
W/winch	(each) 17,064
W/o winch	(each) 17,145
Tires:	
Ply 12	Size 11.00 x 20; Pressure (psi) 70
Tread, center-to-center, front	(in.) 73 3/4
Shipping dimensions, uncrated:	
W/winch	(cu ft) 1,580; (sq ft) 184
W/o winch	(cu ft) 1,500; (sq ft) 174
Vehicle dimensions:	
Ground clearance	(in.) 11 3/4
Pintle height, empty	(in.) 31 1/2
Frame height	(in.) 44 3/4
Height to center of fifth wheel, empty	(in.) 56 1/4
Height to rear of fifth wheel, empty	(in.) 45 3/4
Center of fifth wheel forward of rear axle	(in.) 43 1/4
Electrical system	(volts) 24
No. of batteries	2
Type of ground	negative

Purpose: To tow semitrailers.

GENERAL DATA—Continued

Fuel octane rating	80
Capacities:	
Fuel	(gal) 110
Cooling system	(qt) 44
Crankcase, refill	(qt) 18
Transmission (qt)	w/o power take-off 6; w/power take-off 8
Transfer	(qt) 5
Rear axle	(qt) 12
Winch:	
Oil capacity	(qt) 3
Load capacity	(lb) 20,000
Brakes:	
Manufacturer	Bendix; Type, air-hydraulic
Parking brake, type	transfer
Transmission:	
Forward speeds	5
Gear ratio	High 1:1; Fourth 1.43:1; Low 7.31:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 2.024:1

PERFORMANCE

Computed grade ability in lowest gear w/off highway load	(percent) 65
Turning radius (ft):	
W/o winch	38
W/winch	38 1/4
Fording depth	(in.) 30
Fuel consumption, loaded	(mpg) 2.7
Cruising range, loaded	(mi) 300
Allowable speed, governed	(mph) 52
Maximum pintle tow:	
Off highway	gross (lb) 15,000
On highway	gross (lb) 30,000
Maximum semitrailer, gross	(lb) 30,000

ENGINE

Manufacturer:	Continental	Model R6602-69
Type	4-cycle, valve-in-head; No. of cylinders (in line)	6
Displacement	(cu in.)	602
Bore	(in.)	4 3/4
Stroke	(in.)	5 3/4
Compression ratio		6.4:1
Governed speed	(rpm)	2,800
Brake horsepower (max w/std accessories)	196 at (rpm)	2,800
Torque (max w/std accessories)	480 lb-ft at (rpm)	1,200

ADDITIONAL DATA

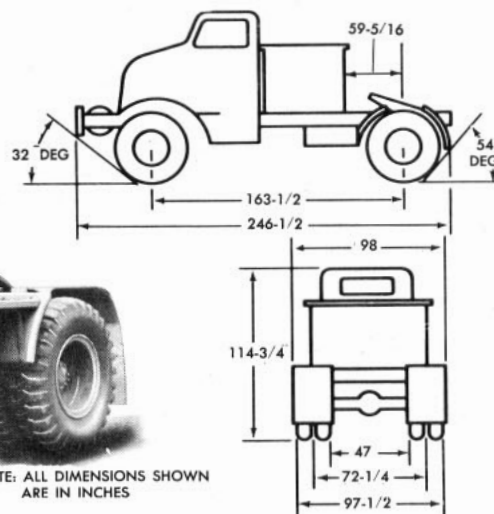
Live axles, type	double-reduction, full-floating
Transmission, type	synchromesh
	Equipped with hydraulic power steering gear.

TRUCK, PONTON TRACTOR, 5- TO 6-TON, 4 x 4

(Autocar, Model U8144T, COE)



RA PD 137847



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-817, 9-1817, 9-1825B, 9-1826C, 9-1827A, 9-1828A, 9-1832A; Supply Catalog: SNL G-511.

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 16,660; Payload, 10,460; Gross, 27,120
Live-axle gear ratio	8.148:1
Axle load (lb):	
Empty	front 9,490; rear 7,170
Loaded	front 11,020; rear 16,100
Tires:	
Ply 14	Size 12.00 x 20; Pressure (psi) 80
Tread, center-to-center, front	(in.) 71 3/4
Shipping dimensions, uncrated	(cu ft) 1,605; (sq ft) 168
Vehicle dimensions:	
Ground clearance	(in.) 10 3/4
Pintle height (in.)	Loaded 34 1/4; empty 38
Center of fifth wheel to center of rear axle	(in.) 3
Height to center of fifth wheel	(in.) 48 1/2
Height to rear of fifth wheel	(in.) 42 1/2
Electrical system	(volts) 12
No. of batteries	(6-volt) 2
Type of ground	positive
Fuel octane rating	.68
Capacities:	
Fuel	(gal) 90
Cooling system	(qt) 40
Crankcase (qt)	dryfill 14; refill 12
Transfer	(qt) 2
Transmission w/PTO (qt)	winter 10; summer 8
Axles (qt)	front 8; rear 10
Winch:	
Oil capacity	(qt) 2
Load capacity	(lb) 15,000
Brakes:	
Manufacturer	Bendix-Westinghouse; Type, air
Parking brake, type	transmission
Transmission:	
Forward speeds	5
Gear ratio	High 0.75:1; Fourth 1:1; Low 5.9:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 1.72:1

Purpose: Used by Corps of Engineers to tow semi-trailers with ponton equipment.

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 36.2
Turning radius	(ft) 35
Fording depth	(in.) 25
Fuel consumption, empty	(mpg) 7
With maximum allowable towed load	(mpg) 3
Cruising range, empty	(mi) 630
With maximum allowable towed load	(mi) 270
Allowable speed, governed	(mph) 45
Maximum semitrailer, gross	(lb) 30,000

ENGINE

Manufacturer	Hercules; Model RXC
Type	4-cycle, L-head; No. of cylinders (in line) 6
Displacement	(cu in.) 529
Bore	(in.) 4 1/4
Stroke	(in.) 5 1/4
Compression ratio	5.4:1
Governed speed	(rpm) 2,300
Brake horsepower (max w/std accessories)	112 at (rpm) 2,200
Torque (max)	368 lb-ft at (rpm) 1,000

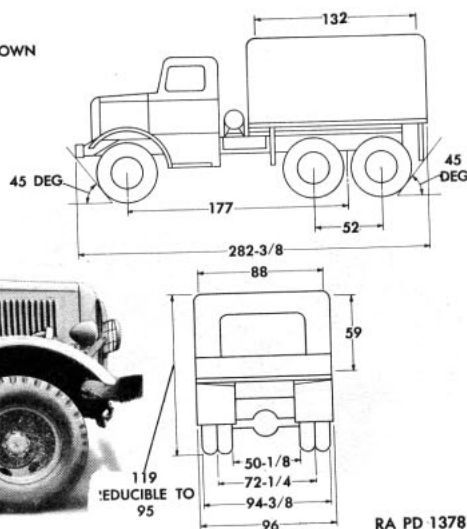
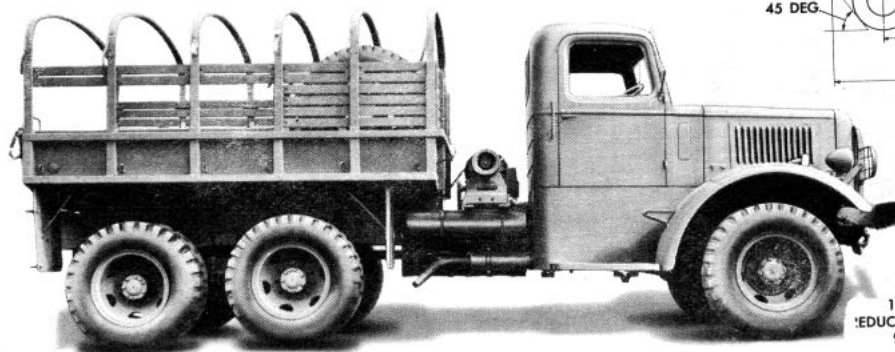
ADDITIONAL DATA

Over-all height w/closed cab	(in.) 110
Live axles, type	double-reduction, full-floating
Transmission, type	constant-mesh

TRUCK, CARGO, 6-TON, 6 x 6, W/WINCH

(Mack, Models NM1, NM3 NM5, NM6)

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137815

Technical Manual: 10-1477; Supply Catalog: SNL G-535.

Classification: Nonclassified.

GENERAL DATA

Crew	2
Weight (lb) Net	22,659
Payload:	
Off highway	12,350; Gross 35,009
On highway	19,300; Gross 41,959
Live-axle gear ratio	7.33:1
Axle load (lb):	
Empty	front 9,687; rear (each) 6,486
Loaded:	
Off highway	front 10,337; rear (each) 12,336
On highway	front 10,703; rear (each) 15,628
Tires:	
Ply 12	Size 10.00 x 22; Pressure (psi) 70
Tread, center-to-center, front	(in.) 73 1/4
Shipping dimensions, uncrated	(cu ft) 1,870; (sq ft) 188
Vehicle dimensions:	
Ground clearance	(in.) 10 3/4
Pintle height, empty	(in.) 32
Loading height, empty	(in.) 58
Body inside dimensions (in.):	
Length	132
Width	88
Height	59
Body cargo space	(cu ft) 396
Electrical system (12-volt starting)	(volts) 6
No. of batteries (6-volt)	2
Type of ground	positive
Fuel octane rating	70
Brakes:	
Manufacturer	Bendix-Westinghouse; Type: air
Parking brake, type	transfer
Transmission:	
Forward speeds	5
Gear ratio	High 1:1; Fourth 1.45:1; Low 8.05:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 2.55:1

Purpose: To transport general cargo, and prime mover for field artillery.

GENERAL DATA—Continued

Capacities:	
Fuel	(gal) 80
Cooling system	(qt) 54
Crankcase, refill	(qt) 19
Transmission	(qt) 10
Transfer	(qt) 4
Axles (qt)	front 6
Bogie (each)	10
Winch:	
Oil capacity	(qt) 2 3/4
Load capacity	(lb) 30,000

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius (ft)	Right 37; Left 36
Fording depth	(in.) 44
Fuel consumption, loaded	(mpg) 3 1/2
Cruising range, loaded	(mi) 280
Allowable speed, governed	(mph) 34
Maximum recommended towed load:	
Off highway gross (lb)	15,000
On highway gross (lb)	30,000

ENGINE

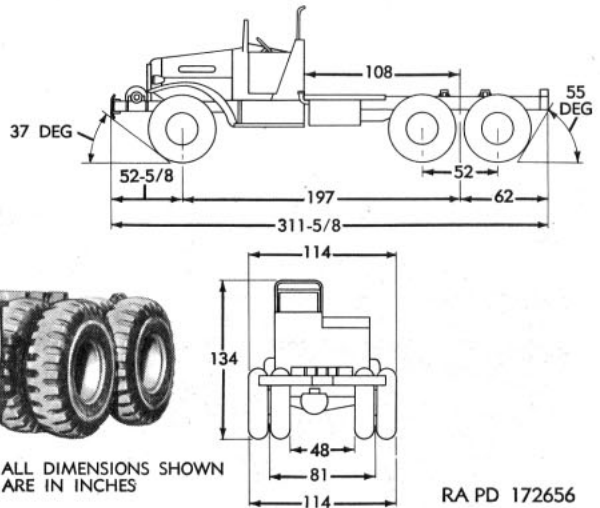
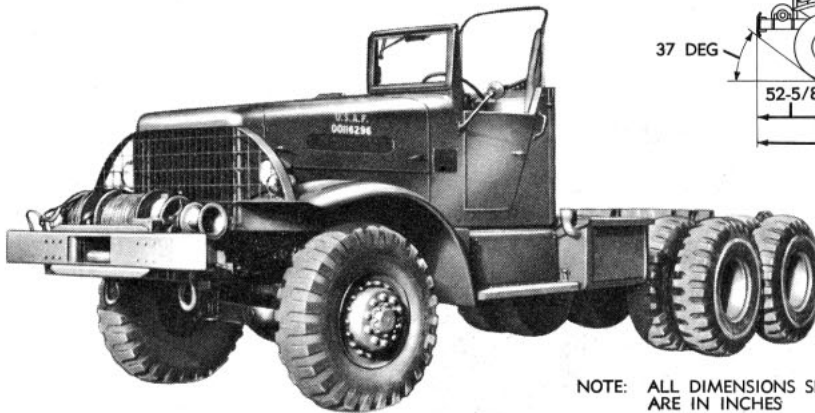
Manufacturer	Mack; Model EY
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 707
Bore	(in.) 5
Stroke	(in.) 6
Compression ratio	5.35:1
Governed speed	(rpm) 2,100
Brake horsepower (max w/std accessories)	159 at (rpm) 2,100
Torque (max)	530 lb-ft at (rpm) 1,000

ADDITIONAL DATA

Live axles, type	double-reduction, full-floating
Transmission, type	constant-mesh

TRUCK, CRANE CHASSIS, 6-TON, 6 x 6

(Corbitt, Model C666)



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

RA PD 172656

Technical Manuals: 9-813, 9-1813, 9-1825A, 9-1826C, 9-1827A, 9-1828A, 9-1829A, 9-1832A; Supply Catalog: SNL G-514.

Classification: Nonclassified.

Purpose: Used by Corps of Engineers for mounting crane.

GENERAL DATA

Crew	1
Weight (lb):	
Net	22,400; Payload (crane) 10,450; Gross 32,850
Live-axle gear ratio	7.33:1
Axle load (lb):	
Loaded	front 11,600; rear (each) 10,675
Tires:	
Ply 18	Size 14.00 x 20; Pressure (psi) 40
Tread, center-to-center, front	(in.) 74
Shipping dimensions, uncrated	(cu ft) 4,390; (sq ft) 251
Vehicle dimensions:	
Ground clearance	(in.) 13
Pintle height, empty	(in.) 41
Electrical system (12-volt starting)	(volts) 6
No. of batteries	(6-volt) 2
Type of ground	positive
Fuel octane rating	72
Capacities:	
Fuel	(gal) 118
Cooling system	(qt) 58
Crankcase, refill	(qt) 14
Transmission	(qt) 10
Transfer	(qt) 3½
Axles	(qt) front 8; rear (each) 6
Winch:	
Oil capacity	(qt) 1
Load capacity	(lb) 25,000
Brakes:	
Manufacturer	Bendix-Westinghouse; Type; air
Parking brake, type	transfer
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 6.54:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 2.55:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius (ft)	(Right) 44; (Left) 43
Fording depth	(in.) 35
Fuel consumption, loaded	(mpg) 2.6
Cruising range, loaded	(mi) 306
Allowable speed, governed	(mph) 37

ENGINE

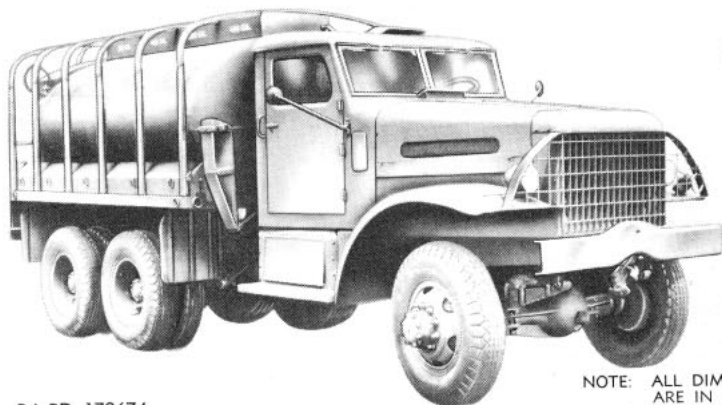
Manufacturer:	Hercules	Model	HXD
Type	4-cycle, L-head; No. of cylinders (in line) 6		
Displacement	(cu in.) 855		
Bore	(in.) 5½		
Stroke	(in.) 6		
Compression ratio	5.5:1		
Governed speed	(rpm) 2,150		
Brake horsepower (max w/std accessories)	202 at (rpm) 2,150		
Torque (max w/std accessories)	642 lb-ft at (rpm) 900		

ADDITIONAL DATA

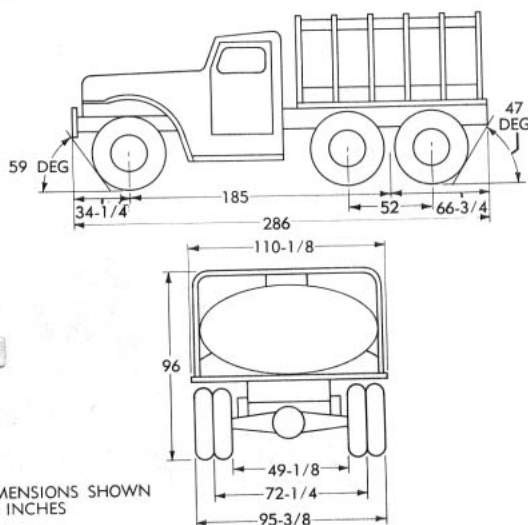
Live axles, type	double-reduction, full-floating
Transmission, type	constant-mesh

TRUCK, GASOLINE TANK, 6-TON, 6 x 6, 2,000-GAL

(White, Model 666, 1942-43-44)



RA PD 172674



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

Technical Manuals: 9-813, 9-1813, 9-1825A, 9-1826C, 9-1827A, 9-1828A, 9-1829A, 9-1832A; Supply Catalog: SNL G-514.

Classification: Nonclassified.

Purpose: To transport and dispense gasoline.

GENERAL DATA

Crew	2
Weight (lb)	Net 23,820; Payload 12,000; Gross 35,820
Live-axle gear ratio	7.33:1
Axle load (lb):	
Empty	front 8,580; rear (each) 7,620
Loaded	front 8,780; rear (each) 13,520
Tires:	
Ply 12	Size 10.00 x 22; Pressure (psi) 70
Tread, center-to-center, front	(in.) 73 1/4
Shipping dimensions, uncrated	(cu ft) 1,760; (sq ft) 220
Vehicle dimensions:	
Ground clearance	(in.) 10 3/4
Distance from rear of cab to center of rear suspension	(in.) 96
Distance from rear of cab to front of body	(in.) 18
Electrical system (12-volt starting)	(volts) 6
No. of batteries	(6-volt) 2
Type of ground	positive
Fuel octane rating	72
Capacities:	
Fuel	(gal) 80
Cooling system	(qt) 58
Crankcase, refill	(qt) 16
Transmission	(qt) 9
Transfer	(qt) 3 1/4
Live axles, each (qt)	front 8; rear 6
Brakes:	
Manufacturer	Bendix-Westinghouse; Type; air
Parking brake, type	transfer
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 6.54:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 2.55:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 41
Fording depth	(in.) 24
Fuel consumption, loaded	(mpg) 33 1/4
Cruising range, loaded	(mi) 300
Allowable speed, governed	(mph) 35

ENGINE

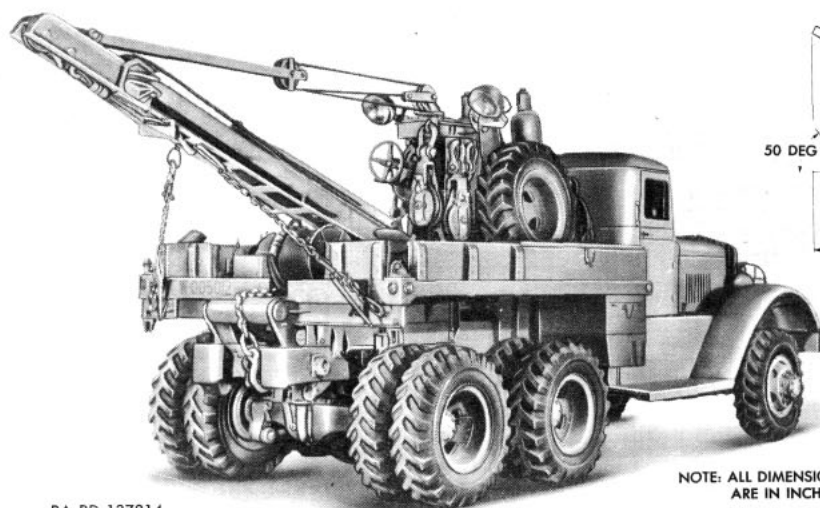
Manufacturer	Hercules; Model HXD
Type	4-cycle, L-head; No. of cylinders (in line) 6
Displacement	(cu in.) 855
Bore	(in.) 5 1/2
Stroke	(in.) 6
Compression ratio	5.49:1
Governed speed	(rpm) 2,150
Brake horsepower (max w/std accessories)	202 at (rpm) 2,150
Torque (max w/std accessories)	642 lb-ft at (rpm) 900

ADDITIONAL DATA

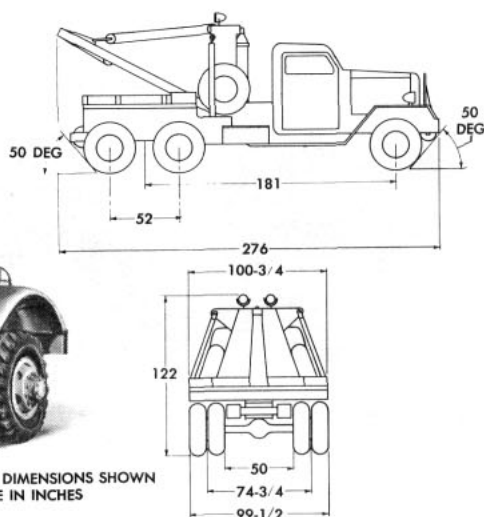
Live axles, type	double-reduction, full-floating
Transmission, type	constant-mesh

TRUCK, HEAVY WRECKER, 6-TON, 6 x 6, M1

(Ward La France, Model 1000, Series 1, 2, 3, and 4;
Kenworth, Models 570, 571, and 572)



RA PD 137814



Technical Manual: 9-796; Supply Catalog: SNL G-116.

Classification: Limited Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 27,330; Payload 8,000; Gross 35,330
Live-axle gear ratio	8.27:1
Axle load (lb):	
Empty	front 7,652; rear (each) 9,839
Loaded	front 9,892; rear (each) 12,719
Tires:	
Ply 12	Size 11 x 20; Pressure (psi) 70
Tread, center-to-center, front	(in.) 72
Shipping dimensions, uncrated	(cu ft) 1,900; (sq ft) 194
Vehicle dimensions (in.):	
Ground clearance	11
Loading height, empty	56
Pintle height, loaded	36
Electrical system	(volts) 12
No. of batteries	1
Type of ground	positive
Fuel octane rating	68
Capacities:	
Fuel	(gal) 100
Cooling system	(qt) 40
Crankcase, refill	(qt) 10
Transmission	(qt) 12
Transfer	(qt) 2½
Axles (qt)	front 8; rear (each) 7
Winch:	
Oil capacity (qt)	front 2; rear 4½
Load capacity (lb)	front 20,000; rear 47,500
Boom winch gear case	(qt) 2
Crane winch gear case	(qt) 2
Pivot gear case	(qt) 4
Crane lift capacity (max)	(lb) 20,000
Brakes:	
Manufacturer	Bendix-Westinghouse; Type; air
Parking brake, type	transfer

Purpose: To tow, salvage, and recover disabled heavy vehicles and equipment and for numerous repair operations where heavy hoist and winch equipment is needed.

GENERAL DATA—Continued

Transmission:	
Forward speeds	5
Gear ratio	High 0.776:1; Fourth 1:1; Low 7.07:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 2.55:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 54
Turning radius	(ft) 44
Fording depth	(in.) 40
Fuel consumption, loaded	(mpg) 2½
Cruising range, loaded	(mi) 250
Allowable speed, governed	(mph) 45
Maximum recommended towed load, gross	(lb) 60,000

ENGINE

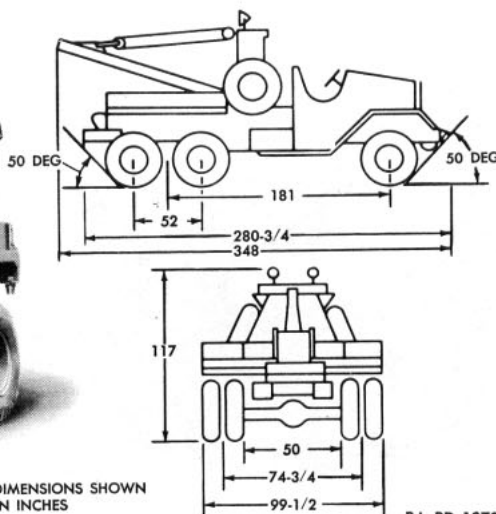
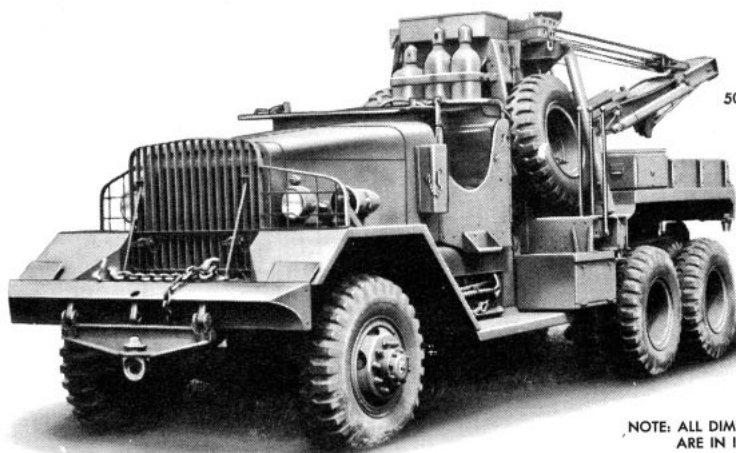
Manufacturer	Continental; Model 22R
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 501
Bore	(in.) 4½
Stroke	(in.) 5¼
Compression ratio	5.23:1
Governed speed	(rpm) 2,400
Brake horsepower (max w/std accessories)	145 at (rpm) 2,400
Torque (max)	372 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Live axles, type	double-reduction, full-floating
Transmission, type	constant-mesh

TRUCK, HEAVY WRECKER, 6-TON, 6 x 6, M1A1

(Ward La France, Model 1000, Series 5; Kenworth, Model 573)



NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES

RA PD 137853

Technical Manual: 9-796; Supply Catalog: SNL G-116.

Vehicle illustrated: Ward La France.
Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 30,000; Payload 8,000; Gross 38,000
Live-axle gear ratio	8.27:1
Axle load (lb):	
Empty	front 8,400; rear (each) 10,800
Loaded	front 10,640; rear (each) 13,680
Tires:	
Ply 12	Size 11.00 x 20; Pressure (psi) 70
Tread, center-to-center, front	(in.) 73
Shipping dimensions, uncrated	(cu ft) 1,900; (sq ft) 195
Vehicle dimensions:	
Ground clearance	(in.) 11
Loading height	(in.) 56
Pintle height, loaded	(in.) 36
Electrical system	(volts) 12
No. of batteries	1
Type of ground	positive
Fuel octane rating	68
Capacities:	
Fuel	(gal) 100
Cooling system	(qt) 35
Crankcase, refill	(qt) 10
Transmission	(qt) 12
Transfer	(qt) 2½
Axles (qt)	front 8; rear (each) 7
Winch:	
Oil capacity (qt)	front 1½; rear 4
Load capacity (lb)	front 20,000; rear 47,500
Rear-winch transmission	(qt) 3
Crane:	
Oil capacity	(qt) 3½
Lift capacity (max)	(lb) 16,000
Brakes:	
Manufacturer	Bendix-Westinghouse; Type; air
Parking brake, type	transfer

Purpose: To tow, salvage, and recover disabled heavy vehicles and equipment and for numerous repair operations where heavy hoist and winch equipment is needed.

GENERAL DATA—Continued

Transmission:	
Forward speeds	5
Gear ratio	High 0.776:1; Fourth 1:1; Low 7.07:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 2.55:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 54
Turning radius	(ft) 35
Fording depth	(in.) 40
Fuel consumption, loaded	(mpg) 2½
Cruising range, loaded	(mi) 250
Allowable speed, governed	(mph) 45
Maximum recommended toward load, gross	(lb) 60,000

ENGINE

Manufacturer	Continental; Model 22R
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 501
Bore	(in.) 4½
Stroke	(in.) 5¼
Compression ratio	5.23:1
Governed speed	(rpm) 2,400
Brake horsepower (max w/std accessories)	145 at (rpm) 2,400
Torque (max)	372 lb-ft at (rpm) 1,200

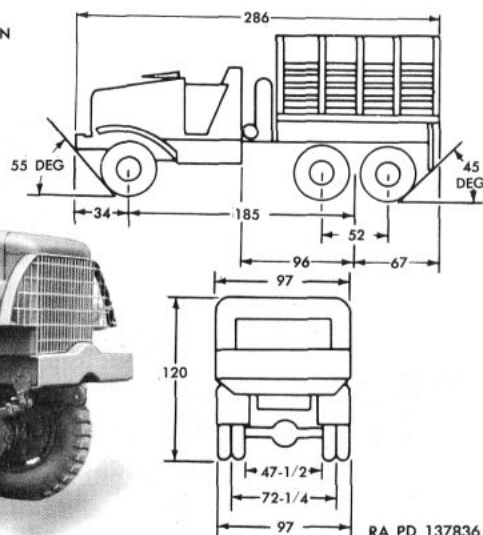
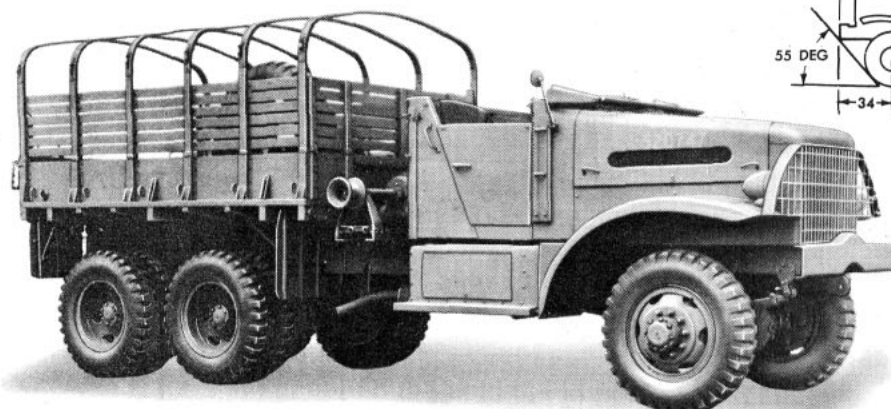
ADDITIONAL DATA

Height with gun mount	(in.) 119½
Live axles, type	double-reduction, full-floating
Transmission, type	constant-mesh

TRUCK, PRIME MOVER, 6-TON, 6 x 6, W/WINCH

(Corbitt Model 50SD6)

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137836

Technical Manuals: 9-813, 9-1813, 9-1825A, 9-1826C, 9-1827A, 9-1828A, 9-1832A; Supply Catalog: SNL G-512.

Classification: Standard.

GENERAL DATA

Crew.....	2
Weight (lb).....	Net 22,070
Payload:	
Off highway.....	12,350*; gross 34,420
On highway.....	20,000; gross 42,070
Live-axle gear ratio.....	7.33:1
Axle load (lb):	
Empty.....	front 8,650; rear (each) 6,710
Loaded:	
Off highway.....	front 8,820; rear (each) 12,800
On highway.....	front 8,900; rear (each) 16,585
Tires:	
Ply 12.....	Size 10.00 x 22; Pressure (psi) 70
Tread, center-to-center, front.....	(in.) 73 1/4
Shipping dimensions, uncrated.....	(cu ft) 1,450; (sq ft) 193
Vehicle dimensions:	
Ground clearance.....	(in.) 10
Loading height, empty.....	(in.) 57 1/2
Pintle height, loaded.....	(in.) 32
Body inside dimensions (in.):	
Length.....	132; Width 93; Height 60
Body cargo space.....	(cu ft) 427
Electrical system (12-volt starting).....	(volts) 6
No. of batteries.....	(6-volt) 2
Type of ground.....	positive
Fuel octane rating.....	70
Capacities:	
Fuel.....	(gal) 80
Cooling system.....	(qt) 65
Crankcase, refill.....	(qt) 14
Transfer.....	(qt) 3 1/2
Transmission.....	(qt) 9
Axles (qt).....	front 8; rear (each) 6
Winch:	
Oil capacity.....	(qt) 1
Load capacity.....	(lb) 15,000

*With maximum trailed load, the payload should be reduced to 10,350 lb.

Purpose: To tow heavy artillery and transport personnel and cargo.

GENERAL DATA—Continued

Brakes:	
Manufacturer.....	Westinghouse; Type; air
Parking brake, type.....	transfer
Transmission:	
Forward speeds.....	4
Gear ratio.....	High 1:1; Low 6.51:1
Transfer:	
Speeds.....	2
Gear ratio.....	High 1:1; Low 2.55:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....	(percent) 65
Turning radius (ft).....	Right 41; Left 42
Fording depth.....	(in.) 24
Fuel consumption, loaded.....	(mpg) 2 1/2
Cruising range, loaded.....	(mi) 200
Allowable speed, governed.....	(mph) 37 1/2
Maximum recommended towed load:	
Off highway, gross.....	(lb) 16,500
On highway, gross.....	(lb) 40,000

ENGINE

Manufacturer: Hercules.....	Model HXD
Type.....	L-head, 4-cycle; No. of cylinders (in line) 6
Displacement.....	(cu in.) 855
Bore.....	(in.) 5 1/2
Stroke.....	(in.) 6
Compression ratio.....	5.49:1
Governed speed.....	(rpm) 2,150
Brake horsepower (max w/std accessories).....	202 at (rpm) 2,150
Torque (max w/std accessories).....	642 lb-ft at (rpm) 900

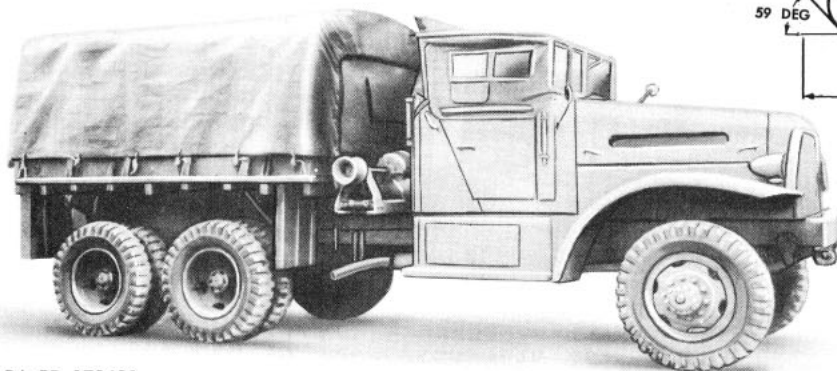
ADDITIONAL DATA

Equipped with controls for electric trailer brakes.	
Live axles, type.....	double-reduction, full-floating
Transmission, type.....	constant-mesh

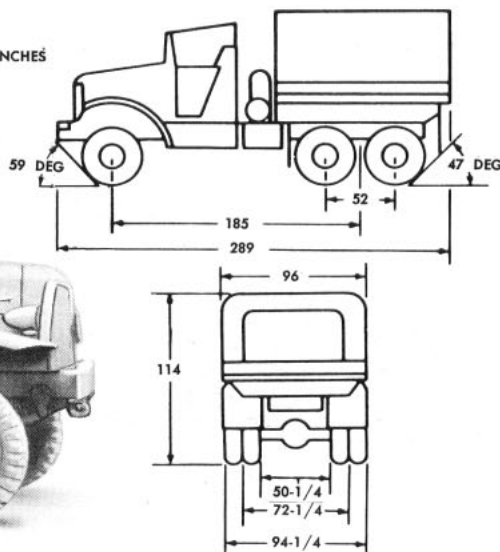
TRUCK, PRIME MOVER AND CARGO, 6-TON, 6 x 6, W/WINCH

(White, Model 666, 1942-43-44)

NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES



RA PD 172631



Technical Manuals: 9-813, 9-1813, 9-1825A, 9-1826C, 9-1827A, 9-1828A, 9-1829A, 9-1832A; Supply Catalog: SNL G-514.

Classification: Standard.

GENERAL DATA

Crew.....	2
Weight (lb): Net.....	22,900
Payload.....	off highway 12,000; on highway 19,100
Gross.....	off highway 34,900; on highway 42,000
Live-axle gear ratio.....	7:33:1
Axle load (lb):	
Empty.....	front 8,580; rear (each) 7,160
Loaded:	
Off highway.....	front 8,780; rear (each) 13,060
On highway.....	front 8,980; rear (each) 16,540
Tires:	
Ply.....	12; Size 10.00 x 22; Pressure (psi) 70
Tread, center-to-center, front.....	(in.) 73 1/4
Shipping dimensions, uncrated.....	(cu ft) 1,840; (sq ft) 193
Vehicle dimensions:	
Ground clearance.....	(in.) 18 3/4
Loading height, empty.....	(in.) 58 3/4
Pintle height, loaded.....	(in.) 29 1/4
Body inside dimensions (in.):	
Length.....	90; Width 92; Height 43 1/4
Body cargo space.....	(cu ft) 208
Electrical system (12-volt starting).....	(volts) 6
No. of batteries.....	(6-volt) 2
Type of ground.....	positive
Fuel octane rating.....	72
Capacities:	
Fuel.....	(gal) 80
Cooling system.....	(qt) 58
Crankcase, refill.....	(qt) 14
Transmission.....	(qt) 9
Transfer.....	(qt) 3 1/2
Axles (qt).....	front 11; rear (each) 12
Winch.....	Oil capacity (qt) 3; Load capacity (lb) 25,000
Brakes:	
Manufacturer.....	Bendix-Westinghouse; Type; air
Parking brake, type.....	propeller-shaft

Purpose: To tow heavy artillery and transport personnel and cargo.

GENERAL DATA—Continued

Transmission:	
Forward speeds.....	4
Gear ratio.....	High 1:1; Low 6.54:1
Transfer:	
Speeds.....	2
Gear ratio.....	High 1:1; Low 2.55:1

PERFORMANCE

Computed grade ability in lowest gear, loaded.....	(percent) 65
Turning radius.....	(ft) 41
Fording depth.....	(in.) 24
Fuel consumption, loaded.....	(mpg) 394
Cruising range, loaded.....	(mi) 300
Allowable speed, governed.....	(mph) 35
Maximum recommended towed load:	
Off highway.....	gross (lb) 20,000
On highway.....	gross (lb) 40,000

ENGINE

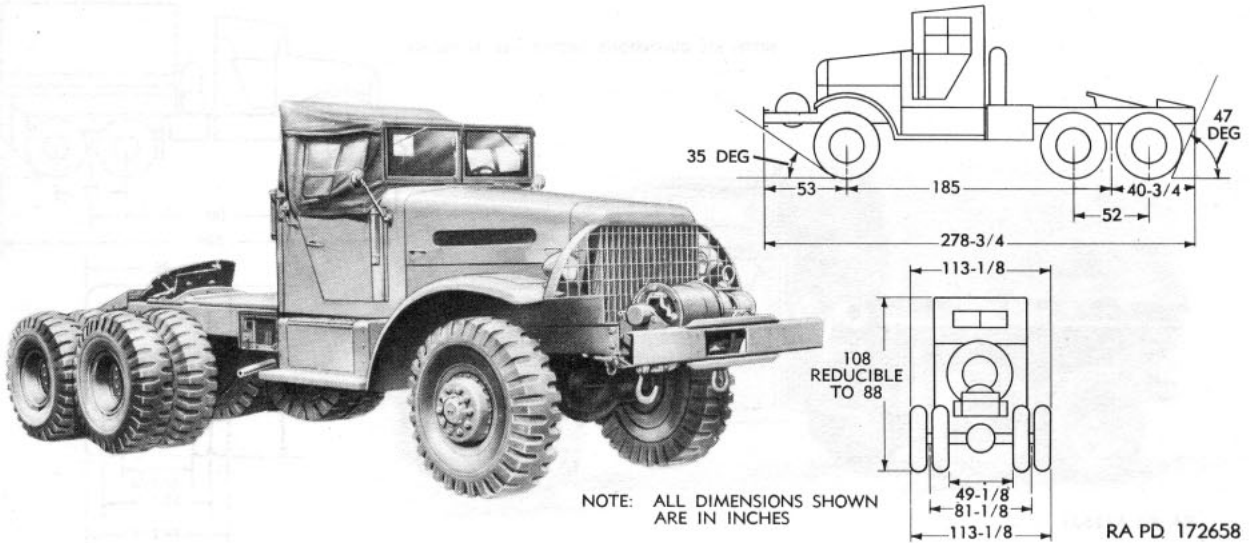
Manufacturer.....	Hercules; Model HXD
Type.....	4-cycle, L-head; No. of cylinders (in line) 6
Displacement.....	(cu in.) 855
Bore.....	(in.) 5 1/4
Stroke.....	(in.) 6
Compression ratio.....	5.5:1
Governed speed.....	(rpm) 2,150
Brake horsepower (max w/std accessories).....	202 at (rpm) 2,150
Torque (max w/std accessories).....	642 lb-ft at (rpm) 900

ADDITIONAL DATA

Live axles, type.....	double reduction, full-floating
Transmission, type.....	constant-mesh

TRUCK, TRACTOR, 6-TON, 6 x 6

(White, Model 666, 1942-43-44)



Technical Manuals: 9-813, 9-1813, 9-1825A, 9-1826C, 9-1827A, 9-1828A, 9-1829A, 9-1832A; Supply Catalog: SNL G-514.

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 21,530
Payload	off highway 12,000; on highway 20,000
Gross	off highway 33,530; on highway 41,530
Live-axle gear ratio	7.33:1
Axle load (lb):	
Empty	front 9,080; rear (each) 6,225
Loaded:	
Off highway	front 9,480; rear (each) 12,025
On highway	front 9,580; rear (each) 15,975
Tires:	
Ply 12	Size 14.00 x 20; Pressure: (psi) 70
Tread, center-to-center, front	(in.) 75 1/2
Shipping dimensions, uncrated, w/winch:	
(cu ft) 1,970	(sq ft) 218
Vehicle dimensions:	
Ground clearance	(in.) 13 3/4
Pintle height, empty	(in.) 33 1/2
Height of frame	(in.) 48 1/2
Height of fifth wheel	(in.) 59 5/8
Horizontal center-to-center distance between fifth wheel and axle	(in.) 3 1/4
Electrical system (12-volt starting)	(volts) 6
No. of batteries	2
Type of ground	positive
Fuel octane rating	72
Capacities:	
Fuel	(gal) 80
Cooling system	(qt) 58
Crankcase, refill	(qt) 16
Transmission	(qt) 9
Transfer	(qt) 3 1/2
Live axles, each (qt)	front 8; rear 6
Winch:	
Oil capacity	(qt) 3
Load capacity	(lb) 25,000

Purpose: To tow semitrailers.

GENERAL DATA—Continued

Brakes:	
Manufacturer: Bendix-Westinghouse	Type: air
Parking brake, type	transfer
Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 6.54:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 2.55:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 41
Fording depth	(in.) 24
Fuel consumption, loaded	(mpg) 3 3/4
Cruising range, loaded	(mi) 300
Allowable speed, governed	(mph) 35
Maximum semitrailer, gross	(lb) 30,000

ENGINE

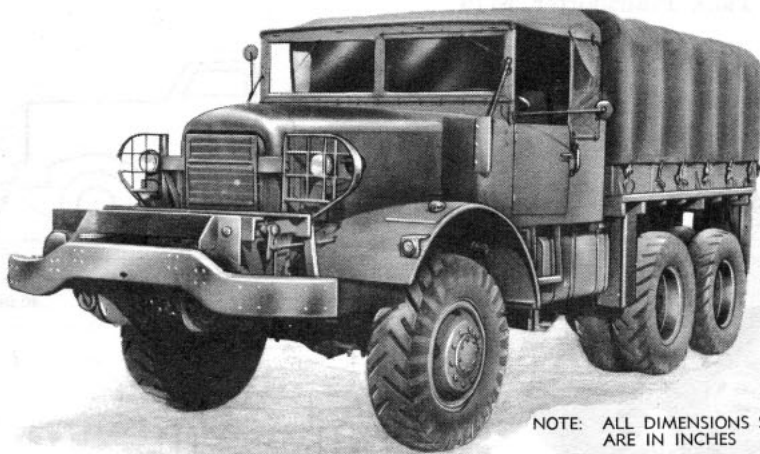
Manufacturer: Hercules	Model HXD
Type	4-cycle, L-head; No. of cylinders (in line) 6
Displacement	(cu in.) 855
Bore	(in.) 5 1/2
Stroke	(in.) 6
Compression ratio	5.49:1
Governed speed	(rpm) 2,150
Brake horsepower (max w/std accessories)	202 at (rpm) 2,150
Torque (max w/std accessories)	642 lb-ft at (rpm) 900

ADDITIONAL DATA

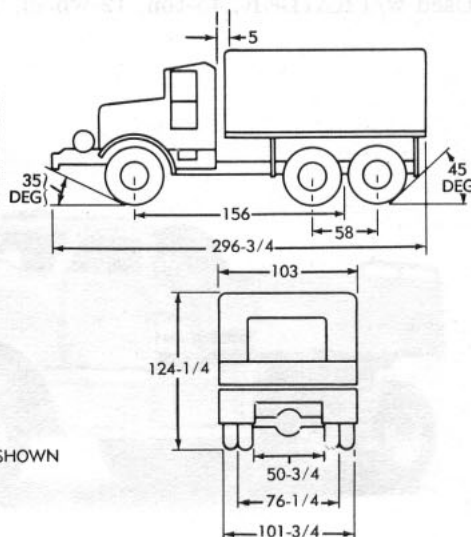
Equipped with controls for trailer electric brakes.	
Live axles, type	double-reduction, full-floating
Transmission, type	constant-mesh

TRUCK, PRIME MOVER, 7½-TON, 6 x 6, W/WINCH

(Mack, Models N02, N03, N06, N07)



RA PD 172675



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Technical Manuals: 10-1679, 9-1826C, 9-1828A, 9-1829A; Supply Catalog: SNL G-532.

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb)	Net 29,103
Payload	off highway 15,350; * on highway 20,897
Gross	off highway 44,453; on highway 50,000
Live-axle gear ratio	9.02:1
Axle load (lb):	
Empty	front 12,634; rear (each) 8,235
Loaded:	
Off highway	front 13,363; rear (each) 15,545
On highway	front 13,581; rear (each) 18,209
Tires:	
Ply 14	Size 12.00 x 24; Pressure (psi) front 80; rear 65
Tread, center-to-center, front	(in.) 76½
Shipping dimensions, uncrated	(cu ft) 2,200; (sq ft) 212
Vehicle dimensions:	
Ground clearance	(in.) 12¾
Loading height, empty	(in.) 63¾
Pintle height, loaded	(in.) 42¾
Body inside dimensions (in.):	
Length	132
Width	96
Height	58
Body cargo space	(cu ft) 425
Electrical system (volts)	6; starting 12
No. of batteries	(6-volt) 2
Type of ground	positive
Brakes:	
Manufacturer; Bendix-Westinghouse	Type, air
Parking brake, type	propeller-shaft
Transmission:	
Forward speeds	5
Gear ratio	High 1:1; Low 8.05:1
Transfer:	
Speeds	2
Gear ratio	High 1:1; Low 2.55:1

*With maximum towed load, the payload should be reduced to 10,350 lb.

Purpose: To tow heavy artillery (155-mm gun and 8-in. howitzer) and transport general cargo and personnel.

GENERAL DATA—Continued

Fuel octane rating	70
Capacities:	
Fuel	(gal) 160
Cooling system	(qt) 54
Crankcase, refill	(qt) 19
Transmission	(qt) 14
Transfer (w/PTO)	(qt) 15
Axles (qt)	front 7½; rear (each) 11¼
Winch:	
Oil capacity (qt)	3
Load capacity (lb)	40,000

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 65
Turning radius	(ft) 36
Fording depth	(in.) 48
Fuel consumption, loaded	(mpg) 2¼
Cruising range, loaded	(mi) 400
Allowable speed, governed	(mph) 32
Maximum recommended towed load:	
Off highway	gross (lb) 32,000
On highway	gross (lb) 50,000

ENGINE

Manufacturer: Mack	Model EY
Type	4-cycle, valve-in-head; No. of cylinders (in line) 6
Displacement	(cu in.) 707
Bore	(in.) 5
Stroke	(in.) 6
Compression ratio	5.35:1
Governed speed	(rpm) 2,100
Brake horsepower (max w/std accessories)	159 at (rpm) 2,100
Torque (max w/std accessories)	534 lb-ft at (rpm) 800

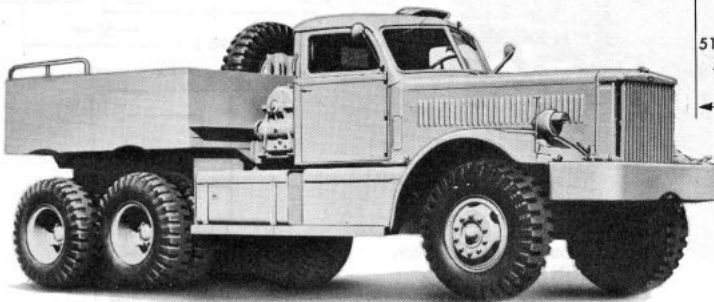
ADDITIONAL DATA

Live axles, type	double-reduction, full-floating
Transmission, type	constant-mesh

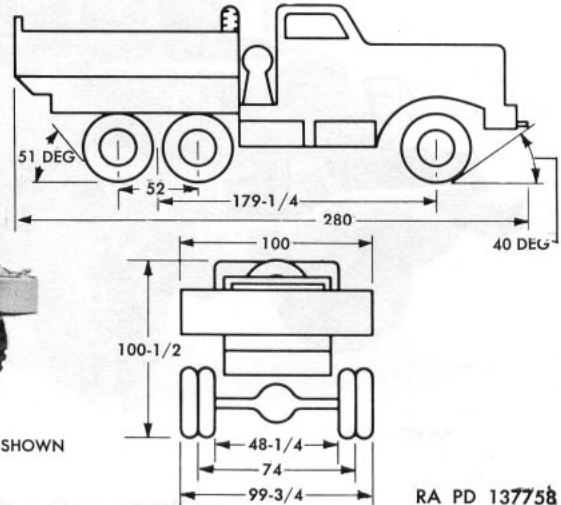
TRUCK, PRIME MOVER, 12-TON, 6 x 4, M20

(Diamond T, Models 980 and 981)

Used w/TRAILER, 45-ton, 12-wheel, Transporter, M9, as component of TRUCK-TRAILER, 45-Ton, Tank Transporter, M19



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES



RA PD 137758

Technical Manuals: 9-768, 9-1768A, 9-1768B, 9-1768C, 9-1825A, 9-1827A, 9-1829A; Supply Catalog: SNL G-159.

Classification: Substitute Standard.

GENERAL DATA

Crew.....	2
Weight (lb).....	Net 26,950; Payload 18,050; Gross 45,000
Live-axle gear ratio.....	11.66:1
Axle load (lb):	
Empty.....	front 10,950; rear (each) 8,000
Loaded.....	front 11,300; rear (each) 16,850
Tires: Ply 14.....	Size 12.00 x 20; Pressure (psi) 80
Shipping dimensions, uncrated.....	(cu ft) 1,630; (sq ft) 194
Vehicle dimensions:	
Ground clearance.....	(in.) 11 1/4
Loading height, empty.....	(in.) 57 3/4
Pintle height, loaded.....	(in.) 30
Ballast body inside dimensions (in.):	
Length 102.....	Width 94; Height 24
Electrical system.....	(volts) 24
No. of batteries.....	(6-volt) 4
Type of ground.....	positive
Fuel octane rating.....	45
Capacities:	
Fuel (diesel fuel oil).....	(gal) 150
Cooling system.....	(qt) 61
Crankcase, refill.....	(qt) 26
Transmission (qt).....	Main 9; Auxiliary w/PTO 8 1/2
Live axles (each).....	(qt) 16
Winch.....	Oil capacity (qt) 4; Load capacity (lb) 40,000
Brakes:	
Manufacturer.....	Bendix-Westinghouse; Type, Air
Parking brake, type.....	transmission
Transmission:	
Forward speeds.....	4
Gear ratio.....	High 1:1; Low 5.55:1
Auxiliary transmission:	
Speeds.....	3
Gear ratio.....	High 0.754:1; Second 1:1; Low 2.09:1

Purpose: To recover and transport damaged tanks and matériel weighing up to 90,000 pounds in connection with trailer, 45-ton, M9, component of 45-ton tank transporter truck-trailer, M19.

PERFORMANCE

Computed grade ability in lowest gear w/towed load.....	(percent) 27
Turning radius (ft).....	right 32 1/4; left 36
Fording depth.....	(in.) 22
Fuel consumption, loaded.....	(mpg) 2
Cruising range, loaded.....	(mi) 300
Allowable speed, governed.....	(mph) 23
Maximum recommended towed load, gross.....	(lb) 115,000

ENGINE

Manufacturer.....	Hercules; Model DXFE
Type.....	Valve-in-head, 4-cycle diesel, No. of cylinders (in line) 6
Displacement.....	(cu in.) 895
Bore.....	(in.) 5 1/4
Stroke.....	(in.) 6
Compression ratio.....	14.8:1
Governed speed.....	(rpm) 1,600
Brake horsepower (max w/std accessories).....	185 at (rpm) 1,600
Torque (max).....	665 lb-ft at (rpm) 1,200

ADDITIONAL DATA

Live axles, type.....	double-reduction, full-floating
Transmission, type.....	constant-mesh

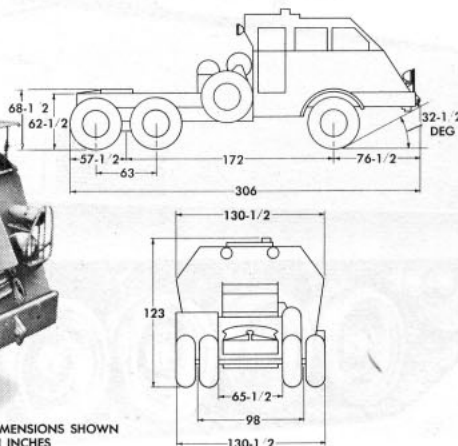
TRUCK, TRACTOR, 12-TON, 6 x 6, M26 AND M26A1

(Pacific Car and Foundry Co)

Used w/SEMITRAILER, 45-ton, 8-wheel, transporter, M15 and SEMITRAILER, 45-ton, 8-wheel, transporter, M15A1 as component of TRUCK-TRAILER, 40-ton, tank recovery, M25



RA PD 137809



NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES

Technical Manuals: 9-767, 9-1767A, 9-1767B, 9-1767C; Supply Catalog: SNL G-160.

Classification: Limited Standard.

GENERAL DATA

Crew	7
Weight (lb)	Net 48,895
Payload	On fifth wheel 60,000; Gross 108,895
Live-axle gear ratio	7.69:1
Axle load (lb):	
Empty	front 22,950; rear 25,945
Loaded	front 22,950; rear 85,945
Tires:	
Ply 20	Size 14 x 24; Pressure (psi) 90
Tread, center-to-center, front	(in.) 82
Shipping dimensions, uncrated	(cu ft) 2,957; (sq ft) 278
Vehicle dimensions:	
Ground clearance	(in.) 15
Pintle height, loaded	(in.) 39
Center of fifth wheel to center of jackshaft	(in.) 4
Height to center of fifth wheel	(in.) 68 1/2
Height to rear of fifth wheel	(in.) 62 1/2
Electrical system	(volts) 12
No. of batteries	(6-volt) 2
Type of ground	negative
Fuel octane rating	72
Capacities:	
Fuel	(gal) 120
Cooling system	(qt) 56
Crankcase, refill	(qt) 28
Transmission (qt)	main 8 1/2; auxiliary 10
Transfer	(qt) 2 1/2
Axles (qt)	front 20; rear 14
Steering gear	(qt) 8 1/2
Winch:	
Oil capacity, each	(qt) 4
Load capacity (lb)	front 35,000; rear (2) (ea) 60,000
Chain oilers	(qt) 20
Hydraulic steering	(qt) 10
Brakes:	
Manufacturer	Bendix-Westinghouse; Type; air
Parking brake, type	transfer

Purpose: To tow 40-ton semitrailers M15 and M15A1 in recovery and transportation of damaged tanks, and matériel weighing up to 80,000 lb.

GENERAL DATA—Continued

Transmission:	
Forward speeds	4
Gear ratio	High 1:1; Low 5.55:1
Auxiliary transmission:	
Speeds	3
Transfer:	
Speeds	1
Gear ratio	1.91:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 30
Turning radius	(ft) 40
Fording depth	(in.) 56
Fuel consumption, w/towed load	(mpg) 1
Cruising range, w/towed load	(mi) 120
Allowable speed, governed	(mph) 28
Maximum semitrailer, gross	(lb) 117,500

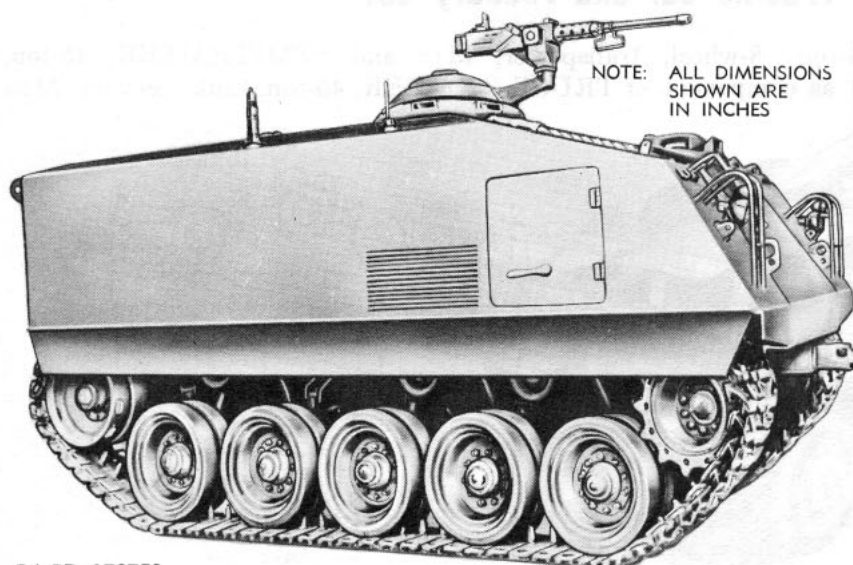
ENGINE

Manufacturer	Hall Scott; Model 440
Type	Valve-in-head, 4-cycle; No. of cylinders (in line) 6
Displacement	(cu in.) 1,090
Bore	(in.) 5 3/4
Stroke	(in.) 7
Compression ratio	5.7:1
Governed speed	(rpm) 2,100
Brake horsepower (max w/std accessories)	240 at (rpm) 2,000
Torque (max w/std accessories)	810 lb-ft at (rpm) 1,200

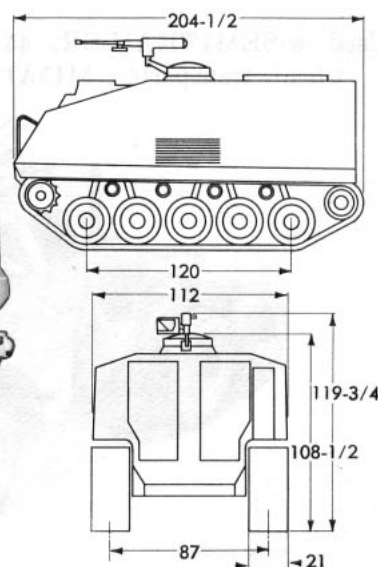
ADDITIONAL DATA

Winch, front 300 ft 3/4-in. cable.	
Winches, rear (2) 300 ft 3/8-in. cable (each).	
Live axles, type	double-reduction, full-floating
Transmission, type	constant-mesh

VEHICLE, ARMORED INFANTRY, FULL-TRACK, T18E1



RA PD 172753



Technical Manuals: 9-755B, 9-1730B, 9-1730F, 9-1825C, 9-1825E, 9-1826B, 9-1828A, 9-1829A; **Supply Catalog:** SNL G-260.

Armament: 1 gun, machine, cal. .50, Browning, M2, heavy barrel (flexible) mounted on revolving ring at top of vehicle.

Ammunition: 1,800 rounds, cal. .50; 10 rockets; 180 rounds, cal. .30 carbine.

Fire Control and Vision Devices: Periscope, M17 (vision).

GENERAL DATA

Crew	1; Passengers (including crew) 12
Weight, fighting	(lb) 42,000
Shipping dimensions, uncrated	(cu ft) 1,438; (sq ft) 159
Ground pressure	(psi) 8.3
Ground clearance	(in.) 17 3/4
Pintle height, loaded	(in.) 29 1/16
Electrical system	(volts) 24
No. of batteries.....	(12-volt) 2
Type of ground.....	negative
Fuel octane rating	80
Capacities:	
Fuel.....	(gal) 150
Crankcase, refill.....	(qt) 48
Auxiliary-engine crankcase, refill.....	(qt) 4
Transmission, cross-drive (including cooler).....	(qt) 64
Final drive.....	(each) (qt) 2
Brakes: Hand-lever-controlled, hydraulic, multiple-disk steering brakes.	
Pedal operates them as service brakes.	
Parking brake, type.....	pedal for locking service brakes
No. of ranges (High, Low, and Reverse).....	3
Ratio from engine output to torque-converter input	0.769:1
Torque-converter stall ratio	4:1
Ratio from torque converter output shaft to final-drive flange:	
High range.....	1.4:1; Low range 5.34:1
Final-drive gear ratio	4:1
Hull construction	welded steel plate

Purpose: To transport, and furnish protection for troops with full equipment.

Communications: Location No. 1: (SCR-508) or (SCR-528) or (SCR-608B) or (AN/VRC-7) or (BC-667); or (SCR-510 or SCR-610 or SCR 619) and (BC-667); or (SCR-510 or SCR-610 or SCR-619) and (AN/VRC-7). Location No. 2: (SCR-506) or (SCR-694C) or (AN/GRC-9) or (AN/ARC-3) or (AN/GRC-5).

PERFORMANCE

Maximum grade ability	(percent) 60
Fording depth:	
W/o kit.....	(in.) 48
W/kit.....	(in.) 80
Maximum width of ditch vehicle can cross	(in.) 66
Maximum vertical obstacle vehicle can climb	(in.) 18
Fuel consumption (average conditions)	(mpg) 0.8
Cruising range (average conditions)	(mi) 115
Maximum speed	(mph) 43
Maximum recommended towed load, gross	(lb) 14,000

ENGINE

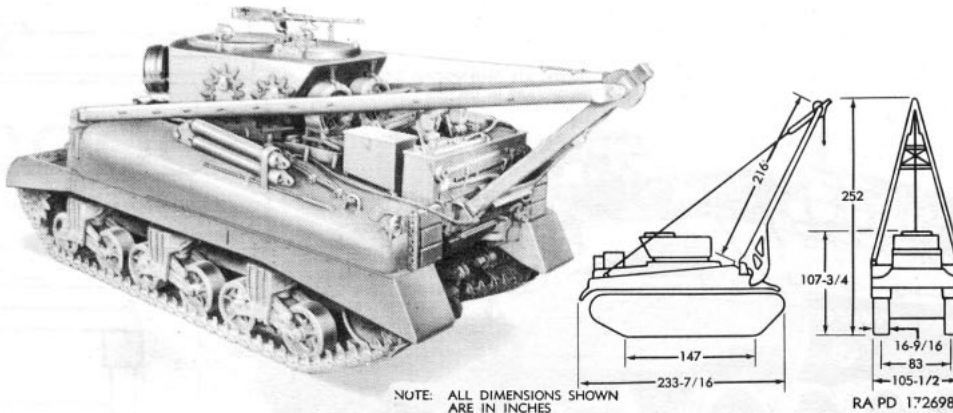
Manufacturer	Continental; Model: AO-895-4
Type	4-cycle, valve-in-head; air cooled
No. of cylinders (horizontal opposed)	6
Displacement	(cu in.) 896
Bore	(in.) 5 3/4
Stroke	(in.) 5 3/4
Compression ratio	6.5:1
Governed speed	(rpm) 2,800
Brake horsepower (max w/std accessories)	295 at (rpm) 2,660
Torque (max w/std accessories)	672 lb-ft at (rpm) 1,850
Type of ignition	magneto

ADDITIONAL DATA

Data given for vehicle equipped w/track, rubber-backed-steel, T-91E3 w/detachable rubber grousers.

Auxiliary generator set: Engine, GMC Model A41-1; Generator, Delco Model GM-A-8585.

VEHICLE, TANK RECOVERY, M32 SERIES



Technical Manuals: 9-738, 9-1725, 9-1731D, 9-1750A, 9-1750B, 9-1750C, 9-1750D, 9-1750K, 9-1825B, 9-1826B, 9-1828A, 9-1829A; Supply Catalogs: SNL G-185 and G-187.

Vehicle illustrated: M32A1.

Classification: See additional data.

Purpose: To recover disabled tanks and mechanized equipment.

Armament: 1 gun, machine, cal. .50, M2, heavy barrel (flexible) ring mounted in turret; 1 gun, machine, cal. .30, M1919A4 (flexible) ball mounted at right front of hull.

Ammunition: 2,000 rounds, cal. .30, machine gun; 600 rounds, cal. .45, sub-machine-gun; 315 rounds, cal. .50; 20 hand grenades; 6 smoke pots.

GENERAL DATA

Crew	5
Weight, fighting (all models)	(lb) 61,706
Shipping dimensions, uncrated:	
M32 and M32A1	(cu ft) 1,880; (sq ft) 195
M32A1B1, M32A1B3, M32B1, and M32B3	(cu ft) 2,090; (sq ft) 218
Ground pressure	(psi) 8.9
Ground clearance	(in.) 18
Pintle height, loaded	(in.) 28
Boom:	
Height above ground in traveling position	(in.) 115½
Height above ground in lifting position	(in.) 252
Length of boom	(in.) 216
Electrical system	(volts) 24
No. of batteries	(12-volt) 2
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 172
Oil tank	(qt) 36
Winch transmission	(qt) 2
Winch oil capacity	(qt) 3
Winch load capacity	(lb) 60,000
Winch and boom lifting capacity	(lb) 30,000
Winch and boom lifting and moving capacity	(lb) 20,000
Winch and boom lifting and moving capacity w/o stabilizer plates	(lb) 10,000
Transmission, differential and final drives:	
Three-piece, round-nose	(qt) 152
One-piece, sharp-nose	(qt) 164
Brakes	mechanical, controlled-differential
Parking brake, type	pedal for locking steering brakes
Transmission forward speeds	5
Gear ratio	High 0.73:1; Fourth 1:1; Low 7.56:1
Differential-drive gear ratio	3.53:1
Final-drive gear ratio	2.84:1
Hull construction	welded homogeneous armor plate
Turret	cast homogeneous armor

Fire-Control and Vision Devices: Periscope, M13, M13B1, or M6 (vision).

Communications: (SCR-619 or SCR-610) and (RC-99); or (RC-99) and (AN/VRC-3); or (SCR-528); or (AN/GRC-3, -4, -5, -6, -7, or -8); or (AN/VRC-13, -14, or -15).

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 31
Fording depth	(in.) 42
Maximum width of ditch vehicle can cross	(in.) 90
Maximum vertical obstacle vehicle can climb	(in.) 24
Fuel consumption (average conditions)	(mpg) 0.6
Cruising range (average conditions)	(mi) 100
Allowable speed, governed	(mph) 26
Maximum allowable towed load, gross	(lb) 20,000

ENGINE

Manufacturer	Continental; Model R975-C1
Type	4-cycle, radial, air-cooled; No. of cylinders 9
Displacement	(cu in.) 973
Bore	(in.) 5
Stroke	(in.) 5½
Compression ratio	5.7:1
Governed speed	(rpm) 2,400
Brake horsepower (max w/std accessories)	350 at (rpm) 2,400
Torque (max w/std accessories)	840 lb-ft at (rpm) 1,800
Type of ignition	magneto

ADDITIONAL DATA

Tank recovery vehicle, M32 is manufactured from the medium tank M4 chassis. Classification: Limited Standard.

Tank recovery vehicle, M32A1 is manufactured from the medium tank M4 chassis. Classification: Standard.

Tank recovery vehicle, M32A1B1 is manufactured from the medium tank M4A1 chassis. Classification: Standard.

Tank recovery vehicle, M32A1B3 is manufactured from the medium tank M4A3 chassis. Classification: Standard.

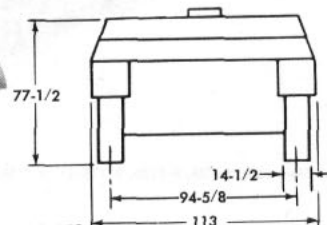
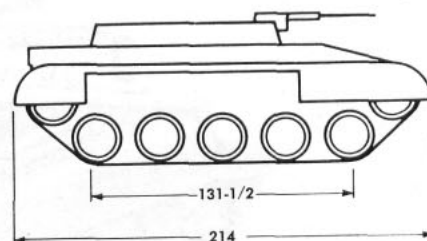
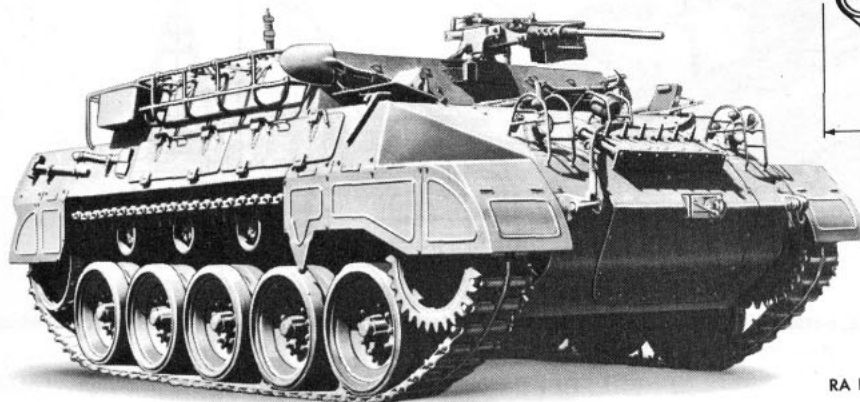
Tank recovery vehicle, M32B1 is manufactured from the medium tank M4A1 chassis. Classification: Limited Standard.

Tank recovery vehicle, M32B3 is manufactured from the medium tank M4A3 chassis. Classification: Limited Standard.

The M32 and M32B series are earlier models, and have tracks 16½ in. wide. Applicable tracks are T48, T49, T54E1, and T74. The M32A1 series are later models, and have a track 23 in. wide. Applicable tracks are T66, T80, and T84. All the recovery vehicles have fixed turrets.

VEHICLE, ARMORED, UTILITY, M39

NOTE: ALL DIMENSIONS SHOWN
ARE IN INCHES



RA PD 137859

Technical Manuals: 9-755, 9-1725, 9-1731K, 9-1750D, 9-1755A, 9-1755B, 9-1826B, 9-1828A, 9-1829A; Supply Catalog: SNL G-163.

Classification: Standard.

GENERAL DATA

Crew	10
Weight, fighting	(lb) 35,500
Shipping dimensions, uncrated	(cu ft) 1,127; (sq ft) 168
Ground clearance	(in.) 14 3/4
Pintle height, loaded	(in.) 25 3/4
Ground pressure	(psi) 9.6
Electrical system	(volts) 24
No. of batteries	(12-volt) 2
Type of ground	negative
Fuel octane rating	80
Capacities:	
Fuel	(gal) 165
Auxiliary-generator fuel tank	(gal) 5
Transmission (and cooler)	(qt) 48
Differential and transfer (including cooler)	(qt) 20
Final drive	(each) (qt) 5
Engine oil tank	(qt) 44
Brakes	mechanical, controlled-differential
Parking brake, type	lever locks on steering brakes
Transmission forward speeds	3
Gear ratio	High 1:1; Low 2.286:1
Transfer speeds	1
Gear ratio	1:1
Differential-drive gear ratio	3.133:1
Final-drive gear ratio	2.176:1
Hull construction	welded homogeneous armor plate

PERFORMANCE

Maximum grade ability	(percent) 60
Turning radius	(ft) 33
Fording depth	(in.) 48
Maximum width of ditch vehicle can cross	(in.) 74
Maximum vertical obstacle vehicle can climb	(in.) 36
Fuel consumption (average conditions)	(mpg) 0.9
Cruising range (average conditions)	(mi) 155
Allowable speed, governed	(mph) 60
Maximum allowable towed load, gross	(lb) 10,000

ADDITIONAL DATA

Data given for vehicle w/track, steel, T69. Track, rubber, T85E1 applicable w/changed sprocket and hub assembly.

Auxiliary generator: Homelite model HRUH-28.

Purpose: To transport cargo and personnel in combat zone and use as a prime mover for artillery.

Armament: 1 gun, machine, cal. .50, Browning, heavy barrel, M2 (flexible) mounted on revolving ring in machine-gun turret.

Ammunition: 945 rounds, cal. .50; 1,620 rounds, cal. .30, carbine; 12 hand grenades; 4 smoke pots; 10 signals, aircraft, pyrotechnic.

Communications: (SCR-506) and (SCR-608B); or (SCR-619 or SCR-610) and (RC-99); or (SCR-506 or AN/GRC-9 or SCR-694C or AN/VRC-3) and (SCR-508 or SCR-510 or SCR-528); or (SCR-506) and (SCR-510) or (SCR-619) and (RC-99); or (SCR-506 or SCR-510 or SCR-619) and (RC-99); or (SCR-506) and (SCR-508) and (SCR-593 or SCR-499); or (SCR-508) and (SCR-593) and (AN/GRC-9 or SCR-694C); or (SCR-506 or SCR-508) and (VRC-3); or (SCR-508) and (SCR-510 or SCR-619 or SCR-610); or (SCR-499 or SCR-628 or AN/ARC-3); or (AN/GRC-3, -4, -5, -6, -7, or -8); or (AN/GRC-3, -4, -5, -6, -7, or -8) and (SCR-506 or AN/GRC-9 or SCR-694C); or (AN/VRQ-1, -2, or -3) and (AN/V1C-1); or (AN/VRQ-1, -2, or -3) and (SCR-506) and (AN/V1C-1, or AN/VRC-13, -14, or -15) and (SCR-593 or AN/GRR-5); or (AN/GRC-3, -4, -5, -6, -7, or -8) and (SCR-506) and (AN/ARC-3).

ENGINE

Manufacturer:	Continental	Model R975C4
Type	4-cycle, radial, air-cooled; No. of cylinders 9	
Displacement	(cu in.) 973	
Bore	(in.) 5	
Stroke	(in.) 5 1/2	
Governed speed	(rpm) 2,400	
Brake horsepower (max w/std accessories)	400 at (rpm) 2,400	
Torque (max w/std accessories)	940 lb-ft at (rpm) 1,700	
Type of ignition	magneto	

APPENDIX

REFERENCES

1. Publication Indexes

The following publication indexes and lists of current issue should be consulted frequently for latest changes or revisions of references given in this appendix and for new publications relating to matériel covered in this manual:

Index of Administrative Publications.....	SR 310-20-5
Index of Army Motion Pictures, Kinescope Recordings, and Film Strips...	SR 110-1-1
Index of Technical Manuals, Technical Regulations, Technical Bulletins, Supply Bulletins, Lubrication Orders, and Modification Work Orders.	SR 310-20-4
Index to Tables of Organization and Equipment, Reduction Tables, Tables of Organization, Tables of Equipment, and Tables of Allowances.	SR 310-20-7
Introduction and Index (supply catalogs).....	ORD 1
Ordnance Major Items and Combinations and Pertinent Publications.....	SB 9-1

2. Supply Catalogs

The following catalog of the Department of the Army Supply Catalog pertains to this matériel:

Major Items and Major Combinations of Group G.....	ORD 3 SNL G-1
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3. Other Publications

The following explanatory publications contain information pertinent to this matériel and associated equipment:

a. General.

Commercial, Nonstandard, and Limited Volume Transport Vehicles.....	SB 9-60
Dictionary of United States Army Terms.....	SR 320-5-1
General Supply: Winterization Equipment for Automotive Matériel.....	SB 9-16
Preparation of Ordnance Matériel for Deep Water Fording.....	TM 9-2853
Supplies and Equipment: Motor Vehicles.....	AR 700-105
Supplies and Equipment: Motor Vehicles Exceeding Weight and Dimension Limitations.	SR 700-105-10
Supplies and Equipment: Responsibilities for Automotive Equipment.....	SR 700-110-1

b. Preventive Maintenance.

Preventive Maintenance for Administrative Vehicles.....	TM 38-660
Motor Vehicle Inspections and Preventive Maintenance Services.....	TM 37-2810

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